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HISTORIC WASTE SITE INVESTIGATION - FINAL REPORT

Kitchener Street Waste Diversion Site

Submitted to:

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1.0 INTRODUCTION

Golder Associates Ltd. (Golder) was retained by the City of Orillia (the City) to complete assessments of a number of historical waste disposal sites identified by the Ministry of the Environment (MOE) within the limits of the City of Orillia. The primary objective of the assessments was to confirm and delineate waste disposal sites identified within the City's Official Plan and to determine if, and by how much, the 500 metre "Waste Disposal Site Assessment Areas" (WDA) for the sites could be reduced (see Figure 1), or if some of these sites could be delisted by the MOE. Authorization to proceed with this investigation was received from the City on December 12, 2011.

The MOE Waste Disposal Inventory identified six closed waste disposal sites within the City. These sites are contained within a "Waste Disposal Inventory" initially prepared for the MOE by York University in 1979, and updated by the MOE as recently as 1991. There is generally little information provided on many of these sites included in the inventory, and a copy of the original 1979 York University report, which provided a brief description of the Site indicating why it was identified, was not available from the MOE. These waste disposal sites were reported to have been operated from approximately 1940 to 1971; a seventh site, the active Kitchener Street Waste Diversion Site (KWDS), has been active since 1967. The Snow Dump fill area located at 40 Kitchener Street was included in the D-4 Assessment Study in addition to the seven sites identified by the MOE Waste Disposal Inventory. The exact limits of waste disposed at the six closed sites are not known. It is further noted that residential, commercial, and industrial development has encroached on the areas formerly used as waste fill sites and as these waste sites were largely "unorganized" there are no records of types or methods of waste placement.

The impact of waste sites is a factor of the type and age of the material deposited, the depth of waste, the cover material and the local hydrogeology and (if present) surface water body characteristics. As a result, investigations of areas where waste is known to have been deposited must assess these factors in order to determine the potential for impact. Older waste fill areas containing little putrescible material and pre-dating the use of industrial organics may be relatively innocuous, whereas those containing large amounts of organic material or liquid waste can continue to generate landfill gas or seepage although more than twenty-five years has passed since closure of these sites.

The identified sites are as follows:

- Industrial Street: Reported to be located in the area surrounded by Elgin Street to the north, Front Street to the west, The City's Lightfoot Trail to the east and Industrial Street to the south and located within 1, 15, and 25 Industrial Street. The Site, which is owned by private individuals, was closed in 1958 and is referred to in the MOE Waste Site Inventory as Site No. X 4108. It is considered that this Site was identified on the basis of wood waste disposal on the property;
- Cochrane and West Street: Reported to be located on the east side of West Street South, between Queen Street and Cochrane Street. Described by the City as being located within 174 West Street South, 250 West Street South, 45 Cochrane Street, and 55 Queen Street East. The Site, which is owned by private individuals, was closed in 1945 and is referred to in the MOE Waste Site Inventory as Site No. X 4109;



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- Kitchener Park Landfill (KPL): Located on the south side of Kitchener Street extending to Lake Simcoe. Described by the City as located at 25 Kitchener Street. The Site, which is owned by the City, was closed in 1967 and is referred to in the MOE Waste Site Inventory as Site No. X 4110;
- West Street near Queen Street: Reported to be located the area west of West Street South, south of Queen Street, and west of Norweld Drive and referred to as the MURF Property relating to the former proposed Multi Use Recreational Facility planned for development. Described by the City as located within 255 and 325 West Street South. The 255 West Street South portion of the Site is owned by the City; 325 West Street South is owned by private individuals. The Site was closed in the 1980s and is referred to in the MOE Waste Site Inventory as Site No. X 4129. A Certificate of Property Use has been issued for this property;
- Industrial and Moffat: Reported to be located at the intersection of Atherley Road and Millard Street, but described in Appendix "C" of the RFP as Industrial and Moffat Street. The property, which is owned by private individuals was closed 1971 and is referred to in the MOE Waste Site Inventory as Site No. X 4130;
- Kitchener Street Waste Diversion Site: The Site is located in the area south of Highway 12, east of the former CN Railway, north of Lake Simcoe, and west of Kitchener Street. The Site address is 100 Kitchener Street and is owned by the City. The landfill has been active since 1967 and is operated under MOE Certificate of Approval (CofA) No. A250601; and,
- Snow Dump Fill Area: This Site is located on the north side of Kitchener Street. Described by the City as located at 40 Kitchener Street. The Site, which is owned by the City, is currently a wastewater treatment centre (WWTC) and snow dump. The scope involved only the snow dump fill area on the property and excluded any work near the WWTC. The presence of waste has not been confirmed; however fill was reportedly placed at this location.

Based on an aerial photograph review, discussions with City staff and people familiar with the sites, it was determined that a seventh site, Site X4130 was erroneously included in the MOE's Waste Disposal Inventory. The MOE has agreed verbally that this Site may be delisted following their review of signed affidavits confirming this is not a waste disposal site. This property is not included within these investigations.

This report pertains to the KWDS, as described above (see Figure 2). Separate reports were prepared for the remaining Sites.



2.0 SCOPE OF WORK

2.1 Historical Review

The assessment carried out by Golder included a review of reasonably accessible historical and regulatory records relating to the Site and adjacent properties. This assessment included a cursory overview of the neighbouring land uses from the Site or from publically accessible areas and does not constitute an assessment of the adjacent facilities.

2.2 Subsurface Investigation

Subsurface investigations were completed by Golder as part of other works as described in the reports “*Landfill Gas Assessment, Kitchener Street Waste Diversion Site, City of Orillia*”, dated March 2007, “*Kitchener Street Waste Diversion Site Impact Assessment Update, Orillia, ON*”, dated March 2011, and “*2011 Annual Monitoring Report Kitchener Street Waste Diversion Site, City of Orillia*”, dated April 2012.

2.3 Impact Assessment Using D-4 Guidelines

The available information was reviewed in the context of D-4 Guidelines to determine the extent of impact of the waste Site. Factors to be considered when land use is proposed on or within 500 metres a non-operating site include: ground and surface water contamination by leachate, surface runoff, ground settlement, visual impact, soil contamination and hazardous waste, and in particular, landfill-generated gases. At an operating site, such as the KWDS, additional factors to be considered include: odour, litter, contamination from associated vehicular traffic, dust, noise, other air emissions, fires, and vectors and vermin (MOE, 1994). The focus of the current study completed by Golder includes groundwater, leachate and landfill gas (i.e., methane) migration from the Site to adjacent properties. Visual impacts are commented on only for sites where an elevated waste mound is present. Comments are provided on general direction of runoff from the Site, where possible. The scope of the current study completed by Golder does not include assessment of ground settlement or contaminated soils and impacts on private sites, other than to comment on available historical information.



3.0 HISTORICAL REVIEW FINDINGS

3.1 Information Review

In order to determine the historical conditions at the Site, a review of information from the following sources was conducted:

- The most recent annual monitoring reports for the KWDS and assessment reports noted above;
- Aerial Photographs were obtained by LGI Copy Services Canada (LGI) and reviewed by Golder for the years 1945, 1965, 1967, 1976, 1984 and 2002;
- City Directory review completed by LGI on behalf of Golder;
- Fire Insurance Plans (FIPs) and other Plans / Reports obtained by Risk Management Services (RMS) formerly CGI Information Systems and Management Consultants;
- Technical Standards and Safety Authority (TSSA), Fuels Safety Division;
- The Lake Simcoe Conservation Authority;
- A Standard EcoLog Environmental Risk Information Services Ltd. (EcoLog ERIS) Report issued on March 30, 2012 for the Site and surrounding properties within 250 m of the Site;
- Various MOE databases, including: "Waste Disposal Site Inventory" (June 1991); "Waste Disposal Sites" (1970 – Mar 2012); "Ontario Regulation 347 Waste Generators Summary" (1986 to Oct 2012); "Ontario Spills" (1988 – 2011); "List of TSSA Expired Facilities" (current to February 2012); "Compliance and Convictions" (1989 – Feb 2012); "TSSA Fuel Storage Tank" (current to June 2011); "Ontario Inventory of PCB Storage Sites" (1987 – Oct 2004); "Private and Retail Fuel Storage Tanks" (1989 – 1996); and, "Ontario Regulation 347 Waste Receivers Summary" (1986 – 2008) were searched by and reported in the EcoLog ERIS Database Report. The MOE database Publications "Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario" (November 1988), and "Coal Gasification Plant Waste Sites in Ontario" (April 1987) were reviewed in-house for the Site by Golder on February 28, 2012. On-line databases for Hazardous Waste Information Network (HWIN), the Environmental Bill of Rights (EBR; on-line registry of approval applications, orders and decisions), and the Brownfields Environmental Site Registry (registry of sites for which a Record of Site Condition has been filed with the MOE under Ontario Regulation 153/04) was reviewed for the Site by Golder on June 5, 2012;
- Previous Environmental Reports; and,
- Published geological maps and reports.

3.1.1 Aerial Photograph Review

Aerial photographs of the Site and vicinity for the years 1945, 1965, 1967, 1976, 1984 and 2002 were reviewed. Copies of the aerial photographs are provided in Appendix A (Figures A-1 through A-7).

Changes in the presence or absence of structures on the Site and surrounding areas were noted. Based on the review of aerial photographs, the following was noted:



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Table 3.1: Aerial Photograph Review

Year	Site	Surrounding Area
1945	The Site is undeveloped, and appears to consist of forested land. A creek passes through the northwest portion of the Site, and a pond appears to be present on the southwest portion of the Site. The southern portion of the Site is not visible on the aerial photograph.	North: Forested land. East: Vacant land. South: Lake Simcoe. West: Railway tracks, followed by forested and agricultural land.
1965	The Site consists primarily of forested land. Two areas of disturbance appear to be present on the southeast and southwest portions of the Site.	North: Highway 12, followed by forested land. East: What appears to be an industrial building has been constructed to the east of the Site South: Lake Simcoe. West: As per the 1945 aerial photograph.
1967	The Site appears to be increasingly disturbed on the southern portion. Tire inroads can be seen on the southwest corner of the Site.	No significant changes as per the 1965 aerial photograph, with the exception that the area adjacent to the southwest portion of the Site appears to be disturbed.
1976	The Site appears disturbed throughout. Tire inroads are present from the southwest portion of the Site leading into the centre of the Site. Mill Creek, previously running across the top of the Site in a Northwest to a Southeast direction, appears to be diverted around the Site.	No significant changes as per the 1967 aerial photograph.
1984	No significant changes as per the 1976 aerial photograph.	No significant changes as per the 1976 aerial photograph, with the exception that the area farther to the west of the Site has been developed with what appears to be several industrial-type buildings.
2002	No significant changes as per the 1984 aerial photograph.	No significant changes as per the 1984 aerial photograph, with the exception that the area to the west of the Site, following the railway tracks, has been developed with several industrial/commercial buildings.

Based on the review of aerial photographs, the Site consisted primarily of forested land prior to landfilling activities beginning in 1967.

3.1.2 Risk Management Services

RMS was contacted by Golder and requested to obtain copies of Fire Insurance Plans (FIP) related to the Site, as well as Site Specific Plans and Property Underwriters' Reports (PUR) and Property Underwriters' Plans (PUP) for the Site. A response was received from RMS dated April 3, 2012, indicating that no FIP, PUP or PUR were available for review for the Site. A copy of the RMS report is provided in Appendix B.



3.1.3 City Directory Review

A review of available historical City directories for the years 1961, 1966, 1976, 1982, 1986, 1996/1997 and 1998/1999 was completed by LGI on behalf of Golder for the Site, as well as for surrounding properties along Kitchener Street, Memorial Avenue, Olive Crescent, Shannon Street, Highway 12, United Drive, and West Street South. Based on Golder's review of the information provided by LGI, the following was considered noteworthy:

On-Site

- The Site address (100 Kitchener Street) was not listed in any of the reviewed City directories.

Off-Site

Based on the review of surrounding properties, the following was of note:

East:

- 24 Kitchener Street, located approximately 125 m east of the Site, was listed in the 1976 and 1982 city directories as Simcoe Truck Centre, and in the 1986, 1996/1997 and 1998/1999 City directories this address was listed as Roe Gravel;
- 32 Kitchener Street, located approximately 75 m east of the Site, was listed in the 1986 City directories as Huronia Fuels. In the 1996/1997 and 1998/1999 City directories this address was listed as SA Machine & Tool;
- 30 Kitchener Street, located approximately 100 m east of the Site, was listed in the 1976 City directories as Maber Manufacturing, in the 1982 City directories as Littlejohn Athletic Products, and in the 1996/1997 and 1998/1999 City directories as Ontario Recyclers;
- The property located at 40 Kitchener Street, approximately 75 m north of the Site, was listed as Waste Management Advisory Council in the 1996/1997 and 1998/1999 City directories; and,
- The property located at 609 West Street South, approximately 250 m north of the Site, was listed as Nichols Shell Products in the 1966 City directories, Howard Fuels in the 1976 and 1982 City directories, and Mayes-Martin Ltd. in the 1986, 1996/1997 and 1998/1999 City directories..

West:

- The property located at 500 Memorial Avenue, approximately 250 m west of the Site, was listed as Hogan Ford Sales in the 1976 City directories. It was listed as United Co-Op of Ontario in the 1982 City directories. In the 1986, 1996/1997 and 1998/1999 City directories this address was listed as Orillia Co-Op & Gas Bar; and,
- The property located at 35 United Drive, approximately 150 m west of the Site, was listed as Grant's Heating and Granco Fuel Terminals in the 1996/1997 and 1998/1999 City directories.

Based on the known direction of groundwater flow in the vicinity of the Site, the above listed properties of concern are not anticipated to represent issues of potential environmental concern to the Site. A copy of the City directory search is provided in Appendix C.



3.1.4 Technical Standards and Safety Authority, Fuel Safety Division Records

The TSSA maintains records related to registered underground storage tanks (UST) for petroleum-related products. The TSSA was contacted to establish the status of the Site and to identify outstanding instructions, incident reports, fuel oil spills or contamination records. On March 23, 2012, the TSSA reported via e-mail that there were no records on file pertaining to the Site. A copy of the TSSA response is provided in Appendix C.

3.1.5 Lake Simcoe Conservation Authority

The Lake Simcoe Region Conservation Authority (LSRCA) mapping indicates that the Site is under LSRCA jurisdiction, but is not within a regulated area. A copy of the LSRCA mapping is provided in Appendix C.

3.1.6 EcoLog ERIS Report

An EcoLog ERIS report is a site-specific summary of historical environmental information for any property in Canada. The report researches, tabulates and identifies key federal, provincial as well as private sector databases to identify environmental elements within a requested radius of the Site. This is used to aid in the identification of possible environmental concerns or risks for commercial, industrial and residential sites.

Golder retained EcoLog ERIS to complete a Standard Select search for the Site and surrounding properties within 250 m from the Site. A copy of the EcoLog ERIS report is provided in Appendix D. Based on Golder's review of the information provided, the following information pertaining to the Site was noted:

On-Site

- The Site (100 Kitchener Street) was listed as the Orillia Waste Diversion Site in the Ontario Regulation 347 Waste Generators Summary under generator number ON0906901 as a generator of various wastes including halogenated solvents (code 241), heavy fuels (code 222) and halogenated pesticides (code 242) for the years 1990, 1992-2008 and as of 2010;
- The Site was listed with three records in Anderson's Waste Disposal Sites database as the Kitchener Street Dump, reportedly active in the 1960s, 1970s, 1980s and 1990s. The location of this dump was reported as approximately 450 m south of Highway 12, 325 m east of the CNR tracks, at the west end of Spur Road leading from the western end of Kitchener Street, and west of the filtration plant. This dump was reported under CofA number MOE A250601; and,
- The Site was listed in the Waste Disposal Sites – MOE CA Inventory database under CofA numbers A252603, A252601, and A252606 as a processing facility.

Off-Site

East (up-gradient)

- A property located approximately 100 m east of the Site was listed with two records in Anderson's Waste Disposal Sites database as the Kitchener Street Dump, reportedly known to be active in the 1960s, under reference number MOE 4110. This dump, the Kitchener Park Landfill was reportedly present along Kitchener Street, in a wooded swampy area 250 m south of Highway 12, 100 m north of a marked dump area, 225 m east of the CNR railway tracks, and 650 m west of the end of Kitchener Street;



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- Numerous spills were reported for a property located approximately 50 m east of the Site (Orillia PUC) was listed in the Ontario Spills database. One spill was reported to have occurred on July 31, 1996 under reference number 38538. This spill reportedly consisted of 90 L of diesel fuel to the ground from a storage tank hose rupture. Environmental impact was reportedly confirmed. Other spills present at this property included sewage and wastewater to land and water from 1989-2002;
- The property located at 40 Kitchener Street, approximately 75 m east of the Site, was listed as The Corporation of the City of Orillia in the Environmental Registry for approval for a waste disposal site under EBR number 011-3199 for the year 2011. This address was also listed in the TSSA Historic Incidents database; one record of a vapour release of gaseous fuel occurred in 2008, under external file number FS INC 0802-00635. This incident was described as completed and no action required. This property was listed as a water pollution control plant in the Ontario Regulation 347 Waste Receivers Summary database under receiver number W120569 and 12 records were listed in the Ontario Spills database covering various reported releases including un-chlorinated raw sewage and sludge between the years 2008 to 2011;
- The record of the property located at 609 West Street South, approximately 250 m east of the Site included Mayes-Martin Limited in the List of TSSA Expired Facilities database, a bulk plant facility (small) under instance number 9599666. This property was also listed in the Ontario Regulation 347 Waste Generators Summary under generator number ON0005135 as a generator of light fuels (code 221) for the years 1986-1990 and 1992-1998. This property was listed in the Private and Retail Fuel Storage Tanks database and included one record of a 240,600 L UST under license number 0030085001;
- The property located at 18 Kitchener Street, approximately 150 m east of the Site, was listed as FM Recycling in the Automobile Wrecking & Supplies database;
- The property located at 24 Kitchener Street, approximately 125 m east of the Site, was listed as Doug Roe Enterprises Limited in the Environmental Registry for approval for a waste disposal site under EBR number IA9E0313 for the year 1999. This property was also listed in the Waste Disposal Sites – MOE CA Inventory database under certificate number A252604;
- The property located at 30 Kitchener Street, approximately 100 m east of the Site, was listed as Capital Environmental Resources Inc. in the Environmental Registry database with one record for approval for a waste disposal site under EBR Registry number IA9E0503 for the year 1999. Further, this property was listed in the Waste Disposal Sites – MOE CA Inventory database under certificate number A74013 as a processing facility; and,
- Two furnace oil spills were listed for the property located at 580 West Street South, approximately 250 m east of the Site. The first spill reportedly occurred on July 27, 1993, under reference number 88993. Although the quantity of oil spilled was not reported, soil contamination was reported as confirmed. The second spill at this address (reference number 7751-7DEQUH) reportedly occurred on April 5, 2008 and consisted of approximately 450 L of furnace oil to the ground. Soil contamination was reportedly confirmed for this spill.

West (up-gradient)

- The property located at 35 United Drive, approximately 150 m west of the Site, was listed as Granco Fuel Terminals Inc. in the Fuel Storage Tank database. Numerous records of USTs reportedly installed in 1988,



1989, and 1990 were listed for this property. The USTs were reported to contain gasoline or diesel fuel with total capacities of 45,400 L. This property was also listed in the Ontario Regulation 347 Waste Generators Summary database under ON1118000 as a generator of light fuels (code 221) for the years 1988-1989, 1992-2008 and as of 2010. One record of a 1,000 L UST under license number 0076346857 was listed at this property in the Private and Retail Fuel Storage Tanks database. This property was also listed in the Retail Fuel Storage Tanks database with three records as a fuel oil facility. This property was listed in the Ontario Spills database with two records of spills of diesel fuel. One spill was reported to occur on June 5, 2003 under reference number 8806-5N9LEQ, and reportedly consisted of 200 L of diesel fuel to the ground. The other spill was reported to occur on April 28, 1988 under reference number 2958, and reportedly consisted of an unknown amount of diesel and stove oil to the ground. This property was listed in the List of TSSA Expired Facilities as a bulk plant (small); and,

- The property located at 500 Memorial Avenue, approximately 250 m west of the Site, was listed in the Ontario Regulation 347 Waste Generators Summary database as UPI Inc. under generator number ON1446915 as a generator of light fuels for the years 1986-1990, 1992-2004 and 2006. Five records of USTs were listed at this property in the Private and Retail Fuel Storage Tanks database. The capacities of the UST were reported as 0 L, 122,500 L, 2000 L, 2000 L, 2000 L, and 317,800 L (license numbers 0024052001, 0048894001, 0028336016, 0076394188, 0076377241, 0030132001, and 0076346857). This property was listed in the Retail Fuel Storage Tanks database including three records as a gasoline, oil and natural gas facility. The property was listed in the List of TSSA Expired Facilities as a highway tank – gas/diesel facility.

Based on the anticipated direction of groundwater flow, impacts to groundwater to the Site from these properties is unlikely. Surface water in the vicinity of the Site may be impacted from these surrounding industrial properties, based on anticipated overland flow directions.

3.1.7 MOE Databases

The MOE Publications “Ontario Inventory of PCB Storage Sites” (1987 – Oct 2004), “Waste Disposal Site Inventory” (June 1991), “Ontario Regulation 347 Waste Generators Summary” (1986 to Oct 2012), “Ontario Regulation 347 Waste Receivers Summary” (1986 – 2008) (updated to reflect standard select report), were searched by and reported in the EcoLog ERIS Database Report. The MOE database Publications “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario” (November 1988), and “Coal Gasification Plant Waste Sites in Ontario” (April 1987) were reviewed in-house for the Site by Golder on February 28, 2012. The on-line databases for HWIN, EBR Environmental Registry (EBR), and Brownfields Environmental Site Registry were reviewed for the Site by Golder on July 6, 2012. These sources indicated the following:

- The Site is not listed as a PCB Storage site, and there are no PCB storage sites listed within a 250 m radius of the Site;
- The Site was listed in the Waste Disposal Sites – MOE CA Inventory database under certificate numbers A252603, A252601 and A252606 as a processing facility. Three records were found in Anderson's Waste Disposal Sites database as the Kitchener Street Dump, reportedly active in the 1960s, 1970s, 1980s and 1990s. The location of this dump was reported as approximately 450 m south of Highway 12, 325 m east of the CNR tracks, at the west end of Spur Road leading from the western end of Kitchener Street, and



west of the filtration plant. This landfill (the Kitchener Street Waste Diversion Site) was reported under reference number MOE A250601. Additionally, a property located approximately 100 m east of the Site was listed under two records in Anderson's Waste Disposal Sites database as the Kitchener Street Dump, reportedly known to be active in the 1960s, under reference number MOE 4110. This dump (the Kitchener Park Landfill) was reportedly present along Kitchener Street, in a wooded swampy area 250 m south of Highway 12, 100 m north of a marked dump area, 225 m east of the CNR railway tracks, and 650 m west of the end of Kitchener Street. The property located at 30 Kitchener Street, approximately 100 m east of the Site was listed in the Waste Disposal Sites – MOE CA Inventory database under CofA A252604; and, the property located at 24 Kitchener Street, approximately 125 m east of the Site, was registered as a waste transfer facility under Doug Roe Enterprises Limited (operating as Mid Ontario Disposal) in the Waste Disposal Sites – MOE CA Inventory database under certificate number A252604;

- The Site is not listed as a site using or producing coal tar and related tars, and there are no sites using or producing coal tar and related tars listed within 250 m of the Site;
- The Site is not listed as a coal gasification plant waste site, and there are no sites listed as a coal gasification waste plant listed within 250 m of the Site;
- The Site (100 Kitchener Street) was listed as the Orillia Waste Diversion Site in the Ontario Regulation 347 Waste Generators Summary under generator number ON0906901 as a generator of various wastes including halogenated solvents (code 241), heavy fuels (code 222) and halogenated pesticides (code 242) for the years 1990, 1992-2008 and as of 2010;
- The Site was listed in the HWIN database as Orillia Waste Diversion Site under generator number ON0906901 as a generator of various wastes including as a generator of various wastes including halogenated solvents (code 241), heavy fuels (code 222) and halogenated pesticides (code 242);
- The Site was not listed in the EBR Environmental Registry; and,
- The Site was not listed in the Brownfields Environmental Site Registry.

3.1.8 Land Title Records

A land title search for the Site was conducted by Ecolog ERIS on behalf of Golder. Based on Golder's review of the land title search, the Site consisted of three Title Chains. Chain 1 was reportedly owned by private individuals from 1841 to 1909, when it was transferred to The Township of Orillia. Chain 2 was reportedly owned by private individuals from 1862 until 1969, when it was transferred to The Corporation of the City of Orillia. Chain 3 was reportedly owned by private individuals from 1862 until it was transferred to Orillia Securities Limited in 1944. It was then transferred back to private individuals until 1974, when it was transferred to The Corporation of the City of Orillia. A copy of the land title information is provided in Appendix E.

3.1.9 Previous Environmental Reports

The following previous environmental reports were reviewed in conjunction with this investigation:

- "Landfill Gas Assessment, Kitchener Street Waste Diversion Site, City of Orillia", dated March 2007, completed by Golder Associates Ltd. and prepared for the City of Orillia ("2007 Gas Assessment Report");



- *“Kitchener Street Waste Diversion Site Impact Assessment Update, Orillia, ON”*, dated March 2011, completed by Golder Associates Ltd. for the City of Orillia (“2011 Impact Assessment Update”); and,
- *“2011 Annual Water Monitoring Report”*, dated April 2012, completed by Golder Associates Ltd. for the City of Orillia (“2011 Annual Water Monitoring Report”).



Based on Golder's review of the aforementioned reports, the following is relevant information is provided:

2007 Gas Assessment Report

In 2007, Golder was retained by the City of Orillia to assess landfill gas issues at the KWDS. Based on Golder's review of the 2007 Gas Assessment Report, the following is noted:

- The KWDS is an active landfill owned and operated by the City of Orillia and is located off Kitchener Street within the southern part of the City, and adjacent to Lake Simcoe. The landfill has an estimated capacity of 77 years and is licensed to receive domestic, commercial and solid non-hazardous industrial wastes (i.e., a municipal solid waste landfill).
- The landfill consists of a 24.3 Ha waste fill area within a 40.5 Ha property. The north, east and south sides of the Site were bounded by water bodies. A former railbed was located to the west of the landfill; the Site buildings included (i) an on-Site lunch room/workshop, (ii) household hazardous waste building, (iii) storage building, (iv) on-Site scale house and office buildings. The nearest off-Site development (commercial and industrial operations) were located to the southwest of the Site on United Drive at a distance of approximately 150 metres beyond the limit of waste.
- Between 1967 and 1985, the resulting in place waste volume was estimated at approximately 480,000 m³. Domestic and commercial waste and excess excavated fill from construction sites was commonly disposed of at the Site prior to 1985. Between 1985 and 2005, domestic and commercial waste was predominantly placed on Site, and solid non-hazardous industrial waste was also accepted. In 2004, an exceptionally high portion of non-domestic waste was placed at the Site, consisting of approximately 40,000 tonnes of contaminated soil, placed in Cell 7.
- On October 2, 2006, five temporary gas probes were installed at the Site to assess subsurface LFG concentrations. On October 11, 2006, the reported methane concentrations at six of the eleven LFG monitoring points had greater than 50% by volume, which is typical for LFG from a municipal solid waste landfill. Essentially no methane (0.1%) was measured in the soil gas at Gas Probe GP-1 located immediately west of the Site near United Drive. The risk of off-Site LFG impacts on the west side is considered to be low. On February 13, 2007, only two of the eleven LFG monitoring points had methane concentrations greater than 50% by volume.
- As a result of the high methane concentrations at on site wells in October 2006, it was recommended that combustible gas detection devices be considered for the on-Site buildings.
- Based on the monitoring at GP-1 and the Mill Creek, Ben's Ditch and Lake Simcoe water bodies, it was concluded that the potential for off-Site impacts of LFG by migration through the soil is low. Additional monitoring of GP-1 was recommended to confirm that the risk of off-Site impacts due to LFG flow through the subsurface is low. At least one of these monitoring rounds was recommended to be completed during frozen ground conditions.

2011 Impact Assessment Update

Golder was retained by the City of Orillia to prepare a report for the KWDS describing the results of investigations undertaken in response to a site inspection undertaken by the Ministry of the Environment in 2009. Based on Golder's review of the 2011 Impact Assessment report, the following is noted:



HISTORIC WASTE SITE INVESTIGATION - KITCHENER WASTE DIVERSION SITE

- Based on discussions with the MOE at a meeting held at the City offices, the primary concerns outlined in the MOE inspection relative to the KWDS were the potential impact of the landfill operations on phosphorous contributions to Lake Simcoe.
- An assessment of stormwater runoff from the landfill during a rainfall event indicates that the runoff to the adjacent water bodies was relatively low. Modifications to the stormwater controls at the Site were recommended to improve erosion and sediment controls. Furthermore, replacement of baseflow sampling in the spring and fall with storm event sampling was recommended to provide additional information to assess stormwater impact.
- A landfill gas probe constructed west of the former CN Railbed in a low-lying marshy area, confirmed that water levels in the area are high; therefore, there is no evident pathway for methane to migrate. The risk of methane migration from the landfill to this residence was considered to be minimal.
- Based on the assessment of the phosphorous data from the landfill and upgradient areas, it was concluded that there was a contribution of phosphorous to the adjacent water bodies but this contribution was not significant in comparison to the Provincial Water Quality Objectives (PWQO), or to that from the Wastewater Treatment Centre (WWTC). Furthermore, it was recommended that the City undertake measures to further limit runoff from the landfill and install two seepage meters to measure discharge from the shallow aquifer in the near shore sediments, where elevated conductivity was identified by the MOE.
- Surface and groundwater monitoring locations were exhibiting evidence of impact from the landfill but runoff and infiltration from the composting facility were not noted as an impact on these locations. Nevertheless, it was recommended that the City undertake modifications to the composting pad to prevent runoff.

2011 Annual Water Monitoring Report

Golder was retained by the City of Orillia to prepare the 2011 Annual Water Monitoring Report for the KWDS located in Orillia, Ontario. The following conclusions are contained in the report:

- Leachate mounding within the landfill results in vertical downward flow to the sand aquifer and, to a lesser extent, the shallow aquifer, ultimately discharging to the nearby surface water bodies Mill Creek, Ben's Ditch and Lake Simcoe. The groundwater flow directions in 2011 are consistent with those observed in recent years.
- Low to moderate landfill leachate impacts are observed in the shallow aquifer (peat) adjacent to the landfill. Attenuation of ammonia occurs between the landfill and Lake Simcoe, in both the peat and sand aquifer, such that concentrations are reduced as groundwater migrates towards the surface water bodies.
- Surface water entering the Site is moderately impacted by road salting and other run-off associated with urban areas. The WWTC contributes nutrient parameters to the surface water (including nitrogen and phosphorous), while significantly increasing flow within Ben's Ditch.
- Studies described in other reports indicate that there is no statistically significant impact of the landfill on the Mill Creek Diversion or Ben's Ditch for the parameters examined (chloride, DOC, phosphorous, ammonia, phenols, cadmium, and lead).



- Water quality downgradient of the landfill at BH21 as well as near the shoreline at BH5-IR, BH17-III, BH22-IR, and BH26 is influenced by the landfill.
- A portion of the increased indicator parameter concentrations noted in the sand aquifer, notably in terms of elevated chloride concentrations, may also be influenced by road salting or former snow dumping activities (e.g., BH4-I, BH17-III).

3.2 Historical Information Review

Based on the information collected during this assessment, the following information was obtained:

- Landfilling at the Site began in 1967 and is ongoing. The Site is licensed to receive domestic, commercial and solid non-hazardous industrial waste from the City; and,
- The Site consists of a 24.3 ha licensed landfill area within a 40.5 ha property (see Figure 3). The landfill does not have an engineered base liner and/or leachate collection system and is operated as a monitored natural attenuation facility, to control contaminant releases to the surrounding groundwater and surface water.



4.0 FIELD INVESTIGATION METHODS – SUBSURFACE INVESTIGATION

Subsurface investigations were completed by Golder as part of the reports “*Landfill Gas Assessment, Kitchener Street Waste diversion Site, City of Orillia*”, dated March 2007, “*Kitchener Street Waste Diversion Site Impact Assessment Update, Orillia, ON*”, dated March 2011, and “*2011 Annual Monitoring Report Kitchener Street Waste Diversion Site, City of Orillia*”, dated April 2012.

The monitoring well locations used for the subsurface investigation are shown in Figure 3. The locations of MOE recorded wells within 250 m of the Site are provided on Figure 4.



5.0 PHYSICAL CHARACTERISTICS

5.1 Utilities and Water Supply

Several utilities run throughout the Site, including power and water to the on-Site buildings. In addition, phone lines and a septic system are present to service on-Site buildings.

5.2 Regional Geologic Setting

According to Barnett, Cowan, and Henry, Quaternary Geology of Ontario, Southern Sheet, Ontario Geological Survey Map 2556 Scale 1:1,000,000 (1991), surficial geology in the area consists of glaciolacustrine deposits consisting of silt and clay, minor sand, and basin and quiet water deposits. Ontario Geological Survey, Ministry of Northern Development and Mines, Map 2554, Bedrock Geology of Ontario, Southern Sheet (OGS, 1991), indicates that Middle Ordovician limestone, dolostone, shale, arkose, and sandstone underlies the area of the Site (see Figure 6).

Based on local topographic mapping ((*Surveys and Mapping Branch, Department of Energy, Mines and Resources, Bolton, 040 P/08, Scale 1:50,000, and published in 1985*), Lake Simcoe is located adjacent to the south of the Site.

5.3 Site Specific Subsurface Conditions

The monitoring well locations at the Site are shown on Figure 3. A shallow aquifer is interpreted to underlie the entire Site, except for the southern portion along the shore of Lake Simcoe. This peat soil unit is hydraulically connected to both the landfill and the fill materials, which together form an unconfined aquifer unit. The thickness of the overburden units is variable across the Site. The upper confining layer, which is up to 10 metres thick, is found at elevations ranging from 209 metres above sea level (masl) to 223 masl. It is thickest under the north and south parts of the landfill. It is thinnest under the central part of the landfill (BH3, 1.2 m), to the west (BH4, 0.3 m) where the unit rises, and to the extreme south where it is thin or absent (BH26).

A deeper sand aquifer appears to be thickest under the central portion of the Site, thinning out to the north and west. It is found at an elevation of approximately 208 masl to 221 masl, and rises to the west. This unit is absent to the northwest as determined at BH15. This aquifer consists primarily of very fine to fine sand; however, coarser sand and gravel are reported to the south at BH16 and BH17, and to the east at BH2.

The configuration of the shallow water table under the Site is shown on Figure 5. The groundwater flow within the water table roughly reflects the topography. Groundwater flow diverges radially outwards from the landfill, except along portions of the western boundary, and flows towards surface water features to the north, east, and south of the Site, where discharge to surface water occurs.



HISTORIC WASTE SITE INVESTIGATION - KITCHENER WASTE DIVERSION SITE

Estimated horizontal hydraulic gradients in the shallow aquifer range from approximately 0.005 m/m to 0.03 m/m. Vertical gradients, as indicate a predominantly downward gradient through the underlying confining layer and into the sand aquifer.

The groundwater flow direction in the sand aquifer is easterly under the western half of the Site, then southeasterly towards Lake Simcoe where discharge occurs. Based on the interpreted hydrostratigraphy the sand aquifer also discharges to Ben's Ditch. Hydraulic gradients are lower compared to the shallow aquifer, ranging from 0.02 m/m on the western portions of the Site to 0.003 m/m to the east (Golder, 2012).

Surface runoff on the northern and eastern portions of the Site flows toward Mill Creek and Ben's Ditch. In the southern portions of the Site, surface water flows to Lake Simcoe, whereas surface water on the western portions flows toward the CNR Railbed Drain.

Table 5.1: Summary of Monitoring Well Details

Location	Replaces	Replacement Year	Measuring Point El. (masl)	Screen Base (m)	Screen Top (m)	Hydrostratigraphic unit
BH1-IR	BH1-I	2012	220.08	208.2	209.7	Sand Aquifer
BH1-II			220.12	213.8	214.3	Upper Confining Layer
BH1-III			220.22	218.2	218.8	Peat
BH2-I			220.68	207.7	208.2	Lower Till
BH2-II			220.48	213.5	214.0	Sand Aquifer
BH2-III			220.48	216.6	219.0	Peat
BH3-IR	BH3-I	2008	235.59	218.6	221.9	Leachate
BH3-IIR	BH3-II	1998	234.68	215.7	216.3	Sand Aquifer
BH4-I			221.76	215.4	215.9	Lower Till
BH4-II			222.18	218.4	220.9	Sand Aquifer
BH5-IR	BH5-I	2010	220.23	210.2	211.8	Sand Aquifer
BH5-IIR	BH5-II	2010	220.14	213.4	215.0	Upper Confining Layer
BH5-IIIR	BH5-III	2010	220.16	216.6	217.3	Peat
BH6			220.48	218.1	218.8	Peat
BH7			220.24	218.0	218.6	Peat
BH8			220.04	217.2	218.4	Peat
BH10			220.26	217.8	218.4	Peat
BH11R	BH11	2012	220.21	217.7	218.9	Peat
BH13			220.15	217.8	218.4	Peat
BH14-I			220.51	207.8	208.5	Sand Aquifer
BH14-II			220.46	213.6	214.3	Upper Confining Layer
BH14-III			220.77	217.4	219.5	Peat
BH15-I			221.54	209.8	210.5	Lower Till
BH15-II			221.64	214.8	215.5	Upper Confining Layer
BH15-III			222.02	218.3	220.3	Fill
BH16-I			223.28	206.3	207.1	Sand Aquifer



HISTORIC WASTE SITE INVESTIGATION - KITCHENER WASTE DIVERSION SITE

Location	Replaces	Replacement Year	Measuring Point El. (masl)	Screen Base (m)	Screen Top (m)	Hydrostratigraphic unit
BH16-II			223.9	215.1	215.8	Upper Confining Layer
BH16-III			223.69	218.2	222.6	Leachate
BH16-IV			223.51	219.9	222.4	Leachate
BH16-IVR	BH16-IV	2008	223.79	219.7	221.3	Leachate
BH17-I			220.7	206.7	207.4	Lower Till
BH17-II			220.66	210.7	211.3	Lower Till
BH17-III			221.27	214.6	215.2	Sand Aquifer
BH17-IVR	BH17-IV	2012	220.87	217.8	219.3	Upper Confining Layer
BH18R	BH18	2012	220.01	217.5	218.7	Peat
BH19			220.53	218.0	219.3	Peat
BH20R	BH20	1990	231.3	218.3	219.8	Leachate
BH21-II			220.55	217.9	219.4	Peat
BH21-IR	BH21-I	1995	220.83	215.2	216.0	Sand Aquifer
BH22-II			220.6	217.9	219.4	Peat
BH22-IR	BH22-I	1998	219.96	216.1	216.8	Sand Aquifer
BH23			220.82	218.2	219.7	Peat
BH24R	BH24	1995	222.03	220.1	220.9	Peat
BH25			224.49	220.6	221.4	Sand Aquifer
BH26			220.77	216.1	220.6	Sand Aquifer
BH27-I			234.01	218.3	218.6	Peat
BH27-IIR	BH27-II	1998	233.97	219.3	223.9	Leachate
BH28-I			222.07	216.5	218.0	Sand Aquifer
BH28-II			221.85	218.9	220.4	Fill
S-1			219.95			Ben's Ditch
S-2						WWTC Effluent
S-3						Ben's Ditch
S-4						Ben's Ditch
S-5						Surface Water Location
S-6						Mill Creek
S-7						Mill Creek
S-8						Ben's Ditch
S-9						Lake Simcoe
S-10						Lake Simcoe
S-11						Lake Simcoe
S-12						Lake Simcoe
S-13						Lake Simcoe
S-14						Lake Simcoe



HISTORIC WASTE SITE INVESTIGATION - KITCHENER WASTE DIVERSION SITE

Location	Replaces	Replacement Year	Measuring Point El. (masl)	Screen Base (m)	Screen Top (m)	Hydrostratigraphic unit
S-15						Lake Simcoe
S-16						Ben's Ditch
S-17						Ben's Ditch
S-18						CN Rail Drain
S-19						CN Rail Drain
S-20						Ben's Ditch
SM-2						Lake Simcoe Sediment
T1			221.87			Peat
T2			221.03			Peat
T3			220.32			Peat

Notes:

masl: metres above sea level

m: metres

** Measuring point elevations provided have not been altered to reflect the 2009 survey data



6.0 MONITORING RESULTS SUMMARY

6.1 Water Quality Summary

Key indicators for landfill leachate at the KWDS include ammonia, toluene and zinc. Trigger criteria for these key indicators were developed and are applied at four wells adjacent to Lake Simcoe (BH5-IR, BH17-III, BH22-R, and BH26). Other leachate indicator parameters including alkalinity, chloride and sodium are used to evaluate trends in water quality relative to background conditions and inputs from other sources including runoff from the upstream urbanized areas and the WWTC.

Prior to 1998, snow dumping activities occurred in Cells 9 and 10 in the southwest part of the landfill, which resulted in a source of chloride and sodium additional to that of the landfill. Subsequently, the snow dump was moved to the north of the WWTC in order to reduce chloride input at the landfill Site (see Figure 2). Concentrations of chloride and sodium have subsequently decreased in the vicinity of the former snow dump (BH16-IVR).

Chloride concentrations are highest at the refuse (waste) monitoring well BH3-IIR (average 664 mg/L in 2011), consistent with elevated concentrations observed at this location since late 2004. The lowest chloride concentrations are monitored in the sand aquifer at BH1-I (1 mg/L to 2 mg/L, 2011), which is located off-Site to the north of the landfill.

Groundwater at the Site discharges to surface water locations within or adjacent to the Site boundaries. There are no groundwater users within or downgradient of the KWDS. As a result, the main concern is protection of aquatic life in adjacent surface water features and thus the Site is regulated according to the PWQO.

Surface runoff on the northern and eastern portions of the Site flows toward Mill Creek and Ben's Ditch. In the southern portions of the Site, surface water flows to Lake Simcoe, whereas surface water on the western portions flows toward the CNR Railbed Drain. Statistical analyses completed for surface water quality at the Site indicate that there is no statistically significant impact of the landfill on the Mill Creek Diversion (Golder, 2011).

6.2 Landfill Gas Assessment

Landfill gas (LFG) in the soils is not regularly monitored at the KWDS; however, LFG has been occasionally observed by City staff to be venting from the surface of the landfill. LFG typically consists primarily of methane and carbon dioxide, which are by-products of the decomposition of organic material found in municipal solid waste.

In 2006, Golder conducted a study to assess LFG production at the Site, relative to Condition 40 of the updated CofA for the Site issued September 19, 2005 (Golder, 2007). From this study, it was determined that there is a low rate of LFG generation at the KWDS with respect to the potential for LFG utilization. The potential for off Site impacts of LFG by migration through the soil was determined to be low due to surface water bodies bounding the Site (Mill Creek to the north, Ben's Ditch to the east, and Lake Simcoe to the south) and the marshy and wet lands to the west of the CNR Railbed which were determined to have low concentrations of methane in the subsoil (0.0% to 0.1% by volume).

A risk of gas build up in on-Site buildings was noted in the report, due to higher methane soil gas concentrations measured immediately adjacent to the waste fill areas near buildings (up to 61.7% methane by volume). The City has indicated that weekly sweeps for explosive gases were completed between October 2006 and



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November 2008. During this period there were no detections of combustible gas (e.g., LFG). In November 2008, City staff discontinued the weekly combustible gas sweeps of landfill buildings. Testing will be conducted if the buildings are closed for four or more consecutive days; however, it is noted that under normal operations, Site buildings are typically closed down for no more than three days.

In order to address the potential for LFG migration to the west of the Site towards a residence on United Drive, a LFG monitoring probe (GP6) was installed in 2010, located to the west of the former CNR Railbed in a low-lying marshy area. Water levels within this marshy area are typically high, and the intervening area between the rail bed and the residence to the north contains little unsaturated soil, if any, through which methane could be expected to migrate. The water levels within the gas probe have been consistently at, or near ground surface and therefore present no evident methane migration pathway. The risk of methane migration from the landfill to the residence on United Drive is considered to be minimal.



7.0 SUMMARY AND DISCUSSION

7.1 Estimated Extent of Waste

The limit of waste for the KWDS is well defined, as shown on Figures 2 and 7. This waste was placed to the shown limits by 1985 and additional waste has since been placed at higher elevations on Cells 1, 2, 3, 4, 6 and 7.

7.2 Interpreted Extent of Environmental Impacts from the KWDS

As stated in the D-4 Guideline (MOE, 1994), its purpose is to protect the health, safety, convenience and welfare of residents from the potential adverse effects of landfills and dumps by restricting or controlling land use in their vicinity. It complements the Ministry's existing abatement programs, and Ministry staff refer to it when they review land use proposals in the vicinity of landfills.

For operating (i.e., active) landfill sites (which may be considered for the active stump disposal and possibly waste transfer/processing operations), the factors to be considered include:

- Landfill-generated gases;
- Ground and surface water contamination by leachate;
- Odour;
- Litter;
- Contaminant discharges from associated vehicular traffic;
- Visual impact;
- Dust, noise and other air emissions;
- Fires;
- Surface runoff; and,
- Vectors and vermin.

For non-operating (i.e., closed) landfill sites, the factors to be considered are reduced to include:

- Landfill-generated gases;
- Ground and surface water contamination by leachate;
- Soil contamination and hazardous waste;
- Land settlement;
- Visual impact; and,
- Surface runoff.

The scope of the current study completed by Golder does not include assessment of ground settlement or contaminated soils and impacts on private sites, other than to comment on available historical information.

The KWDS, is located on City property, is well understood and is evaluated regularly by the City. The extent of impact is well understood and no additional investigative studies were necessary to assess the impact of the KWDS relative to the D-4 study requirements.

Groundwater impacts from the Site relative to adjacent properties are considered to be contained within the landfill, with the exception of the discharge of the aquifers to the base of Lake Simcoe. From a compliance perspective, this discharge is dealt with through the landfill CofA. From the perspective of D-4 impacts, the



extent of the assessment area relative to groundwater impacts can be reduced to the Site boundaries to the west, north and east. To the south, whereas development of lands is not possible given the presence of the lake, it is recommended that the 500 metre limit be kept. The exact extent of the potential impact is expected to be limited to the nearshore area, but has not been established.

With respect to surface water runoff, the impacts from the landfill, if any, will discharge to the adjacent surface water bodies. It is recommended that the assessment zone for D-4 guidelines extend to the western Site Boundary, and include Mill Creek, Ben's Ditch and the shoreline of Lake Simcoe.

The potential for off-Site impacts of LFG by migration through the soil was determined to be low due to the surface water bodies bounding the Site. As a result, the extent of the D-4 assessment area for the purposes of landfill gas impact can be limited to the Site boundaries.

Visual impact at the Site is limited. The active mound at KWDS is visible at near final grade; however, active filling is not visible from the north or east. Adjacent developments need not consider the visual impact; however, the filling in of the Site in the future could be visible from the elevated lands to the west and should be assessed prior to development of these lands.

With respect to soil contamination and hazardous waste, these are anticipated to be present at the Site, but are contained within the Site limits. The City operates a Household Hazardous Waste Depot at the Site to divert hazardous waste materials from the landfill.

With respect to odour, litter, contamination from associated vehicular traffic, dust, noise, other air emissions, fires, and vectors and vermin, the D4 assessment area for an active landfill should remain at a 500 m distance, however, the need for each individual study should be evaluated on a Site specific basis, and also be dependent on the proposed development. The proposed assessment area for D-4 guidelines relative to the KWDS is outlined on Figure 7.

Based on the results of these investigations and the observed historical information for the six City of Orillia historical waste sites, Figure F-1 (Appendix F) summarizes the areas where investigations for D-4 purposes are required.



8.0 RECOMMENDATIONS

Based on the findings of the above scope of work and recommended monitoring program, Golder recommends the following:

- 1) The area under D-4 guidelines can be reduced to the limits of the Site (see Figure 7). The need for further groundwater, surface water, and landfill gas investigations for D4 Assessment purposes is not required. Investigations relating to odour, litter, contamination from associated vehicular traffic, dust, noise, other air emissions, fires, and vectors and vermin (outside the scope of this study) and visual impact are required on a site specific basis depending on proposed developments within 500 m of the Site. Any structural development will require the D4 Assessment. Based on proposed design, smaller less intrusive development may be exempt from D4 requirements. On Figure 7, the pink hatching required a full D4 Assessment Study due to the presence of waste. In addition to the odour, litter, contamination from associated vehicular traffic, dust, noise, other air emissions, fires, and vectors and vermin and visual impact (orange hatching) within 500 m of the active landfill limits), development within the green hatched areas also requires D4 Assessment studies to investigate landfill gas impacts, the blue hatched areas require D4 Assessment studies to investigate groundwater impact.



Report Signature Page

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Principal

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9.0 LIMITATIONS AND USE OF REPORT

Golder's professional services for this assignment addressed only the geo-environmental (chemical) aspects of the subsurface conditions at this Site. The geotechnical (physical) aspects, including engineering recommendations for the design and construction of building foundations, pavements, underground servicing and the like are outside the terms of reference for this report and have not been investigated or addressed.

This report is based on data and information collected during the subsurface environmental investigations conducted by Golder and is based solely on Site conditions encountered at the time of the field work.

In evaluating the Site, Golder has relied in good faith on information provided by others and evaluated only conditions at a limited number of test locations. Only limited chemical analyses of soil samples were carried out. It should be noted that the results of an investigation of this nature should, in no way, be construed as a warranty that the Site is free from any and all contamination from past or current practices.

We accept no responsibility for any deficiency, misstatements or inaccuracies contained in this report as a result of omission, misinterpretations or fraudulent acts of the persons interviewed. Golder accepts no responsibility for any reduction in property value, either real or perceived, as a result of the reporting of factual information herein.

This assessment was carried out using existing historical information as available from various agencies and no assurance is made regarding the accuracy or completeness of this information.

If additional information is obtained during future work at the Site, including excavations, borings, or other studies, and/or if conditions exposed during construction are different from those encountered in this assessment, Golder should be requested to re-evaluate the conclusions presented in this report and provide amendments as required.



10.0 REFERENCES

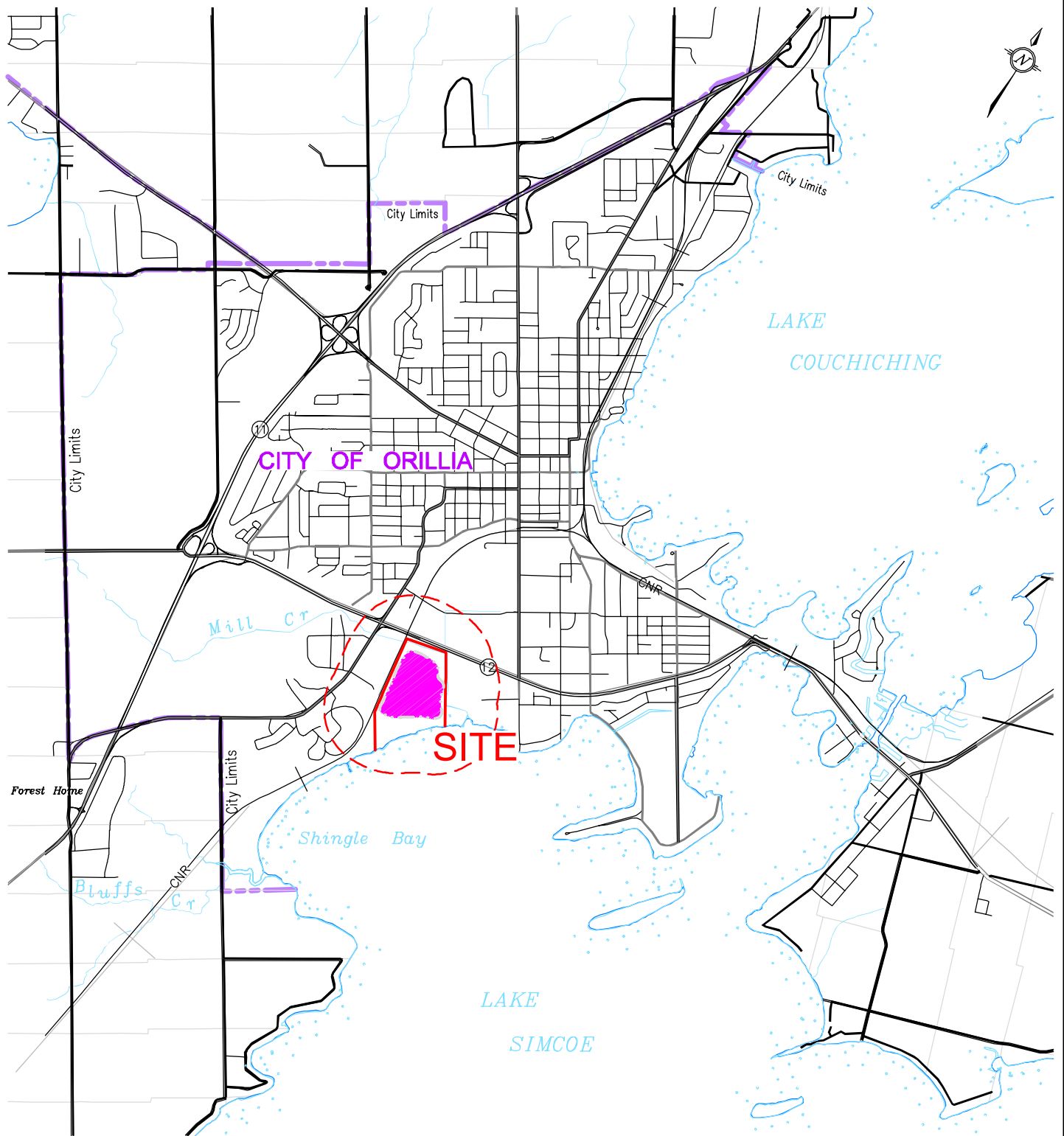
The following is a list of persons contacted and references reviewed for the purposes of preparing this report:

Source	Date
Aerial Photographs – obtained from National Air Photo Library on behalf of Golder.	1945, 1965, 1967, 1976, 1984, and 2002
<u>Bedrock Geology of Ontario, Southern Sheet</u> . Map 2544. Ontario Ministry of Development and Mines, 1991.	1991
Chain of Title Report	2012
City Directories, obtained by LGI on behalf of Golder.	1961, 1966, 1976, 1982, 1986, 1996/1997, and 1998/1999
County of Simcoe interactive mapping website, 2012, http://maps.simcoe.ca/ ,	2012
EcoLog Environmental Risk Information Services	March 30, 2012
Golder Associates Ltd., 2005. North Simcoe Groundwater Study, WHPA – City of Orillia, Appendix E.	May 2005
Golder Associates Ltd., 2005. Assessment of Attenuation Capacity, Kitchener Street Waste Diversion Site, City of Orillia.	September 2005
Golder Associates Ltd., 2007. Landfill Gas Assessment, Kitchener Street Waste Diversion Site, City of Orillia	2007
Golder Associates Ltd., 2011. Kitchener Street Waste Diversion Site Impact Assessment Update, Orillia, ON	March 2011
Golder Associates Ltd., 2012. 2011 Annual Monitoring Report Kitchener Street Waste Diversion Site, City of Orillia	April 2012
Ontario Ministry of the Environment, 1994. Guideline D-4: Land Use On or Near Landfills and Dumps	April 1994
Ontario Ministry of the Environment	Pending
Ontario Ministry of the Environment, June 2003, revised June 2006. Ontario Drinking-Water Quality, Standards and Objectives. PIBS 4449e01	2006
Ontario Ministry of the Environment, Water Well Records database	October 2012
RMS Response	April 4, 2012
<u>Sheet 30S</u> . Map 1335A, Southern Sheet. Geological Survey of Canada, 1971.	1971
Technical Standards and Safety Authority Response	March 23, 2012
City of Orillia, Public Works Department	2012



FIGURES

PLOT DATE: August 23, 2013
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAMAP.dwg: [Figure 1]



- City of Orillia Limits
- Site Property Limits
- 500 m D-4 Assessment Offset

0 500 1000 2000 3000
 SCALE 1:50000 metres

Base from Licensed EMR Digital 1:50000 Topographic Sheet 31D/11



SCALE	AS SHOWN
DATE	28 JAN 2013
DESIGN	
CAD	S BOWERMAN
CHECK	CLG
REVIEW	

TITLE

REGIONAL LOCATION MAP KITCHENER STREET WASTE DIVERSION SITE

FILE No. 1111700079HAMAP.dwg

PROJECT No. 11-1170-0079

REV.

HISTORICAL LANDFILL SITES
 CITY OF ORILLIA

FIGURE

1

PLOT DATE: August 23, 2013
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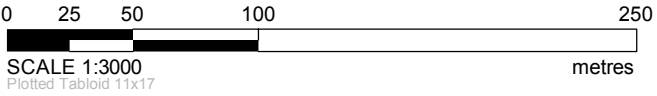
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- Estimated Extent of Landfill
- Gas Probe
- Monitoring Well / Gas Probe
- Borehole
- Kitchener Park Gas Probe
- Observation Well
- Approximate Limit of Waste Fill Area

NOTES:

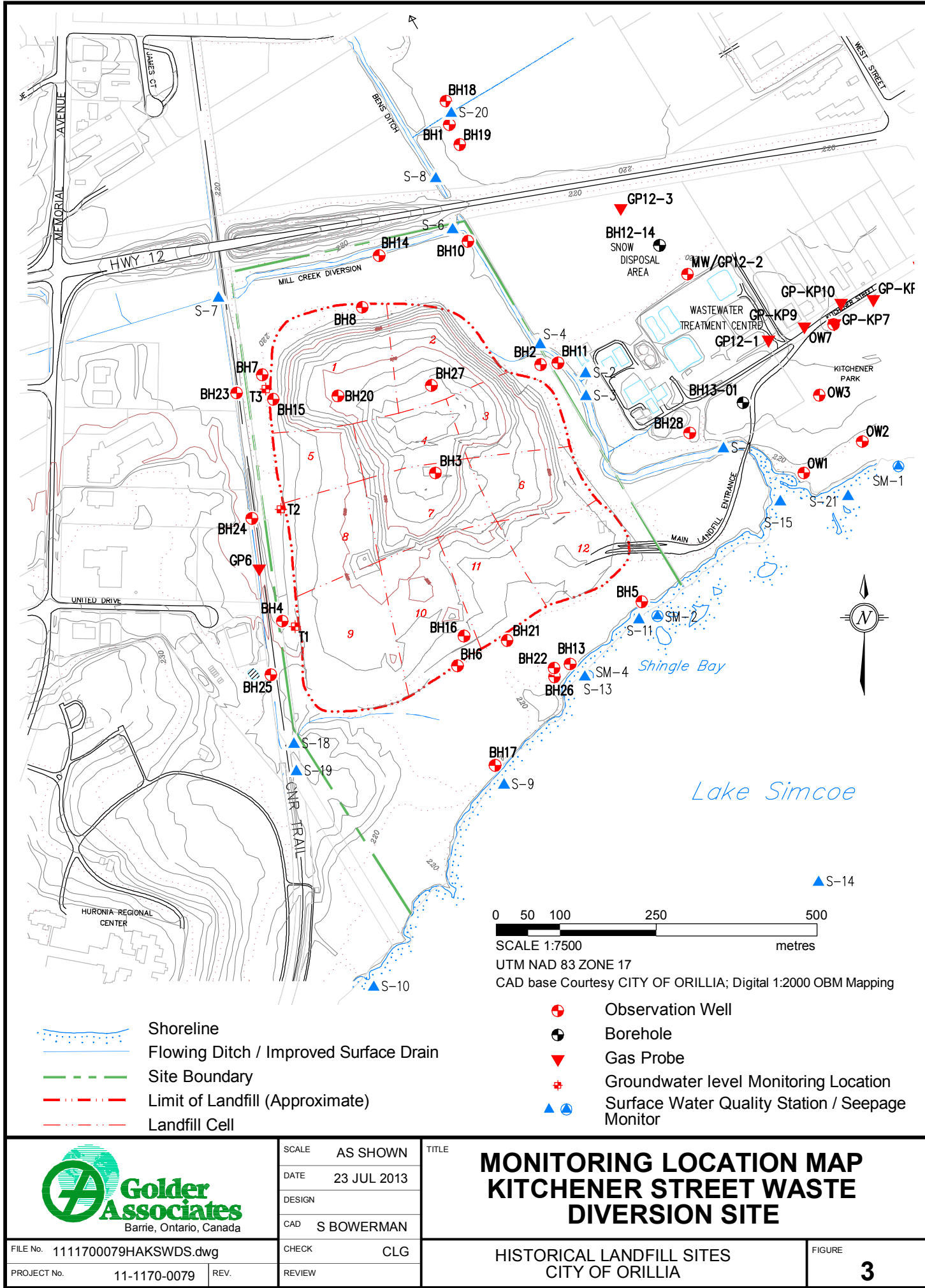
- DATUM IS UTM NAD83 Zone 17
- ALL MAPPED BOUNDARIES, LIMITS, AND INTERPOLATED FEATURES ARE APPROXIMATE

REFERENCES:

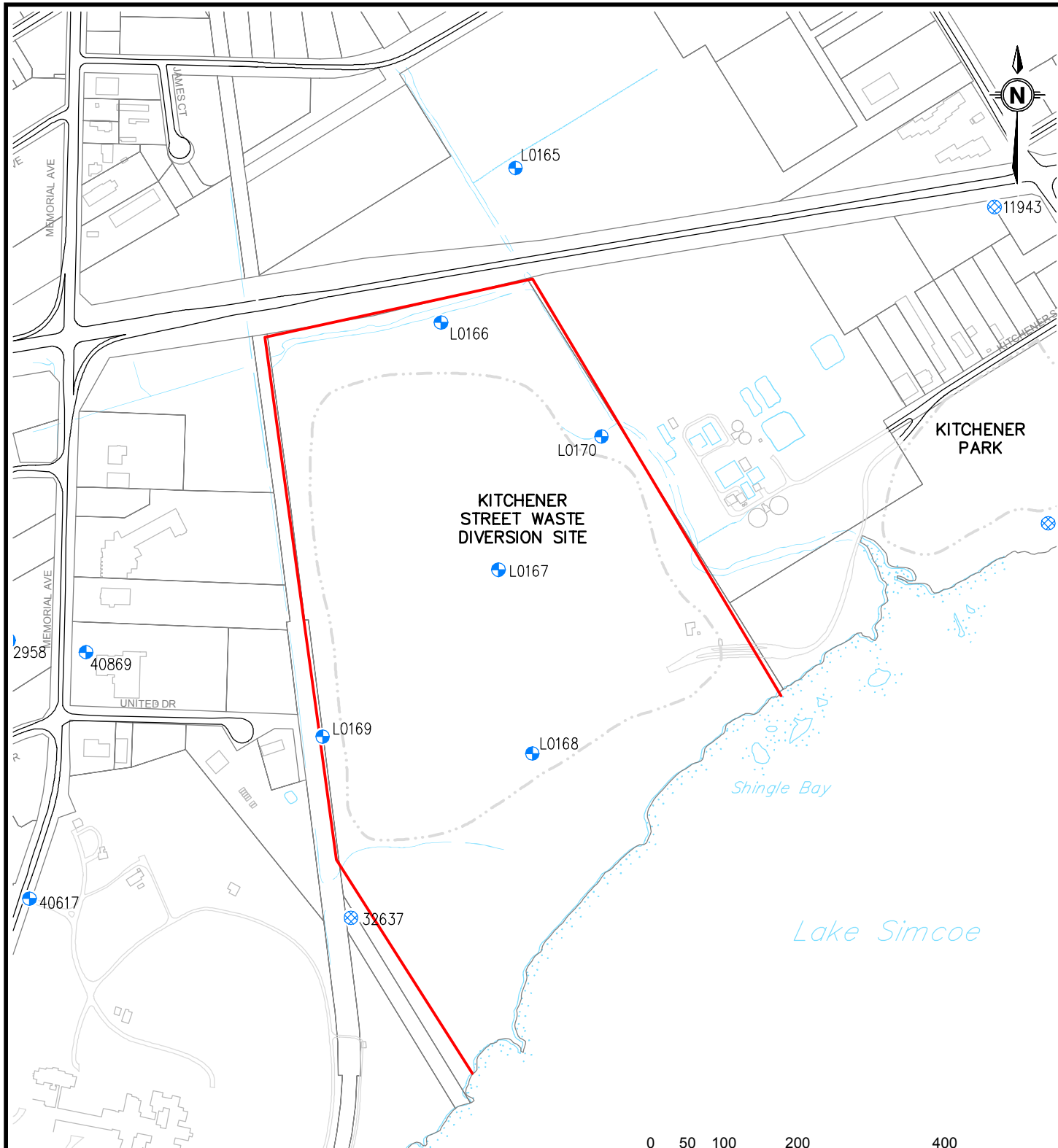
- MAPPING BASED ON CITY OF ORILLIA ASSESSMENT, 2009
- SATELLITE IMAGERY FROM DISCOVERSIMCOE.CA



TITLE			
SITE LOCATION MAP KITCHENER STREET WASTE DIVERSION SITE			
HISTORICAL LANDFILL SITES CITY OF ORILLIA			
		SCALE	AS SHOWN
		DATE	23 JUL 2013
		DESIGN	
		CAD	S BOWERMAN
FILE No.	1111700079HASITE.dwg	CHECK	CLG
PROJECT No.	11-1170-0079	REV.	
		REVIEW	
			FIGURE 2



PLOT DATE: August 23, 2013
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\1111700079HASITE.dwg



- Waste Site Limit
- - - Estimated Extent of Landfill
- Recorded Well
- ⊕ Test Well or Borehole
- ⊗ Drilled Bedrock Well

0 50 100 200 400
SCALE 1:7500 metres

1. DATUM IS UTM NAD83 Zone 17
2. MAPPING BASED ON CITY OF ORILLIA ASSESSMENT, 2009
3. ALL MAPPED BOUNDARIES, LIMITS, AND INTERPOLATED FEATURES ARE APPROXIMATE



SCALE AS SHOWN
DATE 23 JUL 2013
DESIGN
CAD S BOWERMAN

TITLE

**MOE RECORDED WATER WELL
LOCATION MAP
KITCHENER STREET WASTE DIVERSION SITE**

FILE No. 1111700079HASITE.dwg

CHECK CLG

**HISTORICAL LANDFILL SITES
CITY OF ORILLIA**

FIGURE

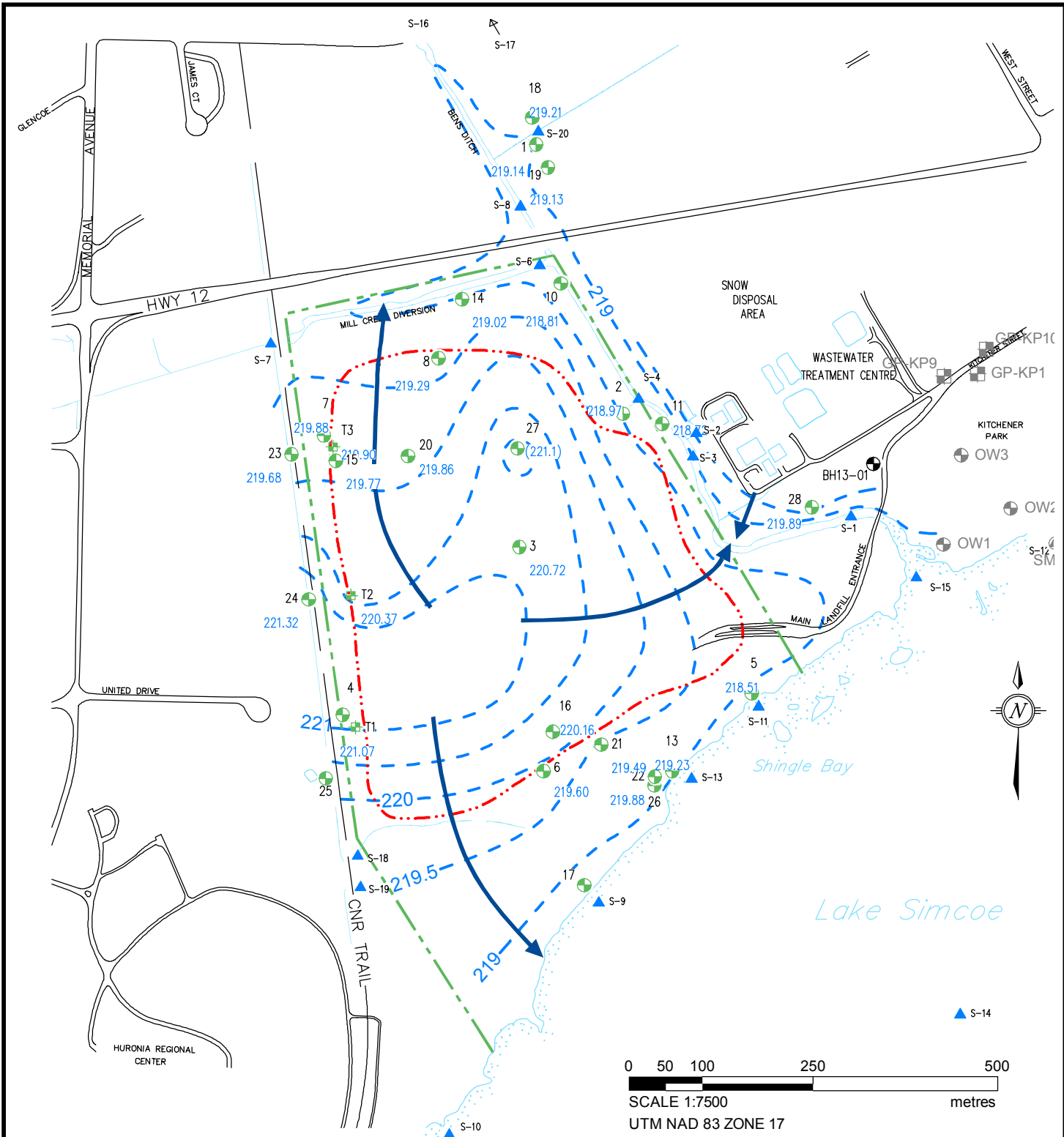
4

PROJECT No. 11-1170-0079

REV.

REVIEW

PLOT DATE: August 23, 2013
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAUPWL.dwg: [Figure 5]



- Site Boundary
- .-.- Limit of Landfill (Approximate)
- Observation Well
- ⊙ Borehole
- ⊕ Groundwater Level Monitoring Location
- ▲ Surface Water Quality Station

- 218.85 Water Table Elevation (masl)
- .-.- Equipotential Line Fall 2011 (masl)
- Inferred Groundwater Flow Direction



SCALE AS SHOWN
 DATE 23 JUL 2013
 DESIGN
 CAD S BOWERMAN

TITLE

WATER TABLE SURFACE ELEVATION FALL 2011 KITCHENER STREET WASTE DIVERSION SITE

FILE No. 1111700079HAUPWL.dwg

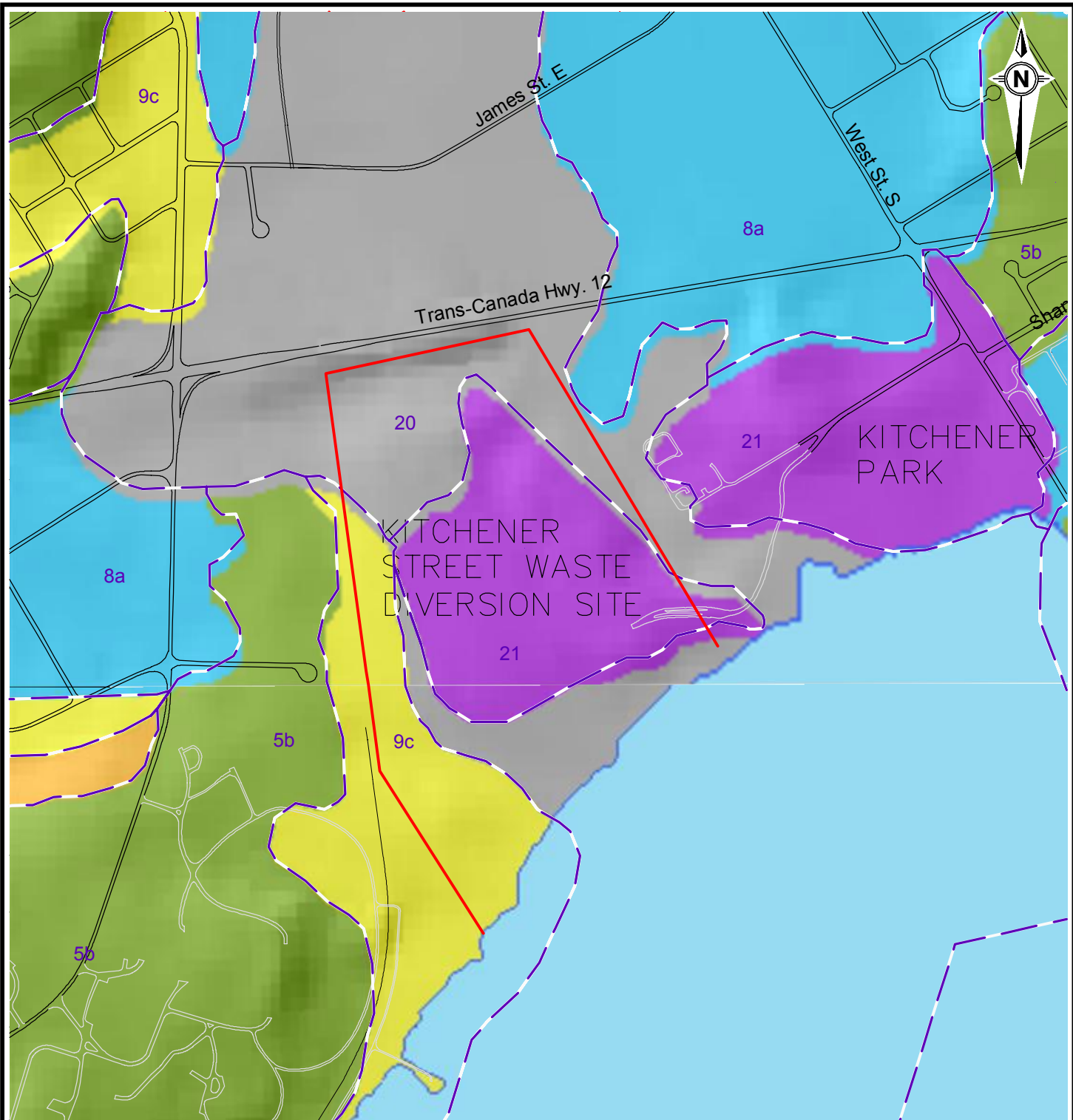
CHECK CLG

HISTORICAL LANDFILL SITES
 CITY OF ORILLIA

FIGURE

5

PLOT DATE: August 23, 2013
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAQUAT.dwg



LEGEND:

- 20 Organic Deposits
- 21 Fill
- 9c Glaciolacustrine Shallow Water Deposits
- 8a Glaciolacustrine Deep Water Deposits
- 5b Ablation Till

Waste Site Limit

NOTE:

Source: Ontario Geological Survey / Geological Survey Canada; 1:50000 Digital compilation, Queen's Printer 2006

0 50 100 250 500
SCALE 1:10000 metres



SCALE AS SHOWN
DATE 04 FEB 2013
DESIGN
CAD S BOWERMAN

TITLE

QUATERNARY GEOLOGY MAP

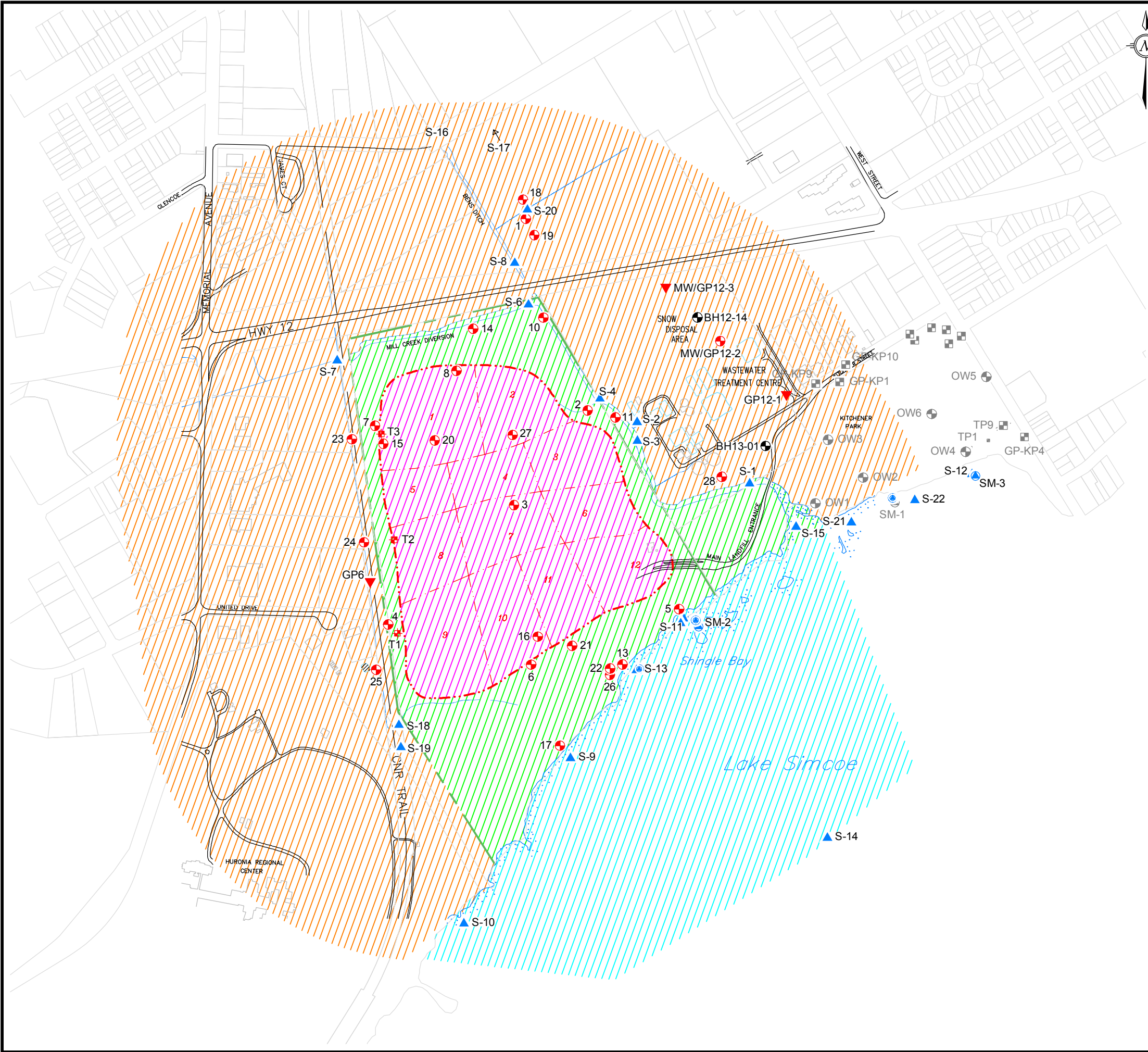
FILE No. 1111700079HAQUAT.dwg

CHECK CLG
REVIEW

HISTORICAL LANDFILL SITES
CITY OF ORILLIA

FIGURE

6



LEGEND

Site Boundary

Limit of Landfill (Approximate)

Landfill Cell

D4 Assessment Required due to Landfill Waste

D4 Assessment Required due to Possible Landfill Gas

D4 Assessment Required due to Possible Groundwater Impacts

D4 Assessment Require 500 m Offset Area from Active Landfill¹

Observation Well

Borehole

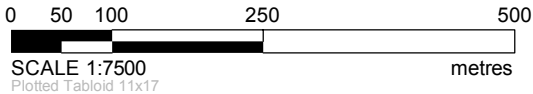
Gas Probe

Groundwater level Monitoring Location

Surface Water Quality Station / Seepage Monitor

NOTE

1. D-4 Required 500 m Offset Area from Active Landfill for odour, litter, contamination from associated vehicular traffic, dust, noise, other air emissions, fires, vectors, vermin, and visual impacts



UTM NAD 83 ZONE 17
CAD base Courtesy CITY OF ORILLIA; Digital 1:2000 OBM Mapping

TITLE		
D4 ASSESSMENT AREAS KITCHENER STREET WASTE DIVERSION SITE		
HISTORICAL LANDFILL SITES CITY OF ORILLIA		
	SCALE	AS SHOWN
	DATE	23 JUL 2013
	DESIGN	
	CAD	S BOWERMAN
FILE No.	1111700079HAEQUI.dwg	
PROJECT No.	11-1170-0079	REV.
CHECK	CLG	FIGURE
REVIEW		7



APPENDIX A

Aerial Photographs

PLOT DATE: August 23, 2013
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAAIR1945.dwg



LEGEND:

— Waste Site Limit

NOTE:

1. Projection UTM NAD83 Zone 17

0 50 100 200 400
 SCALE 1:10000 metres



SCALE AS SHOWN
 DATE 04 FEB 2013
 DESIGN
 CAD S BOWERMAN

TITLE

AIR PHOTO 1945

FILE No. 1111700079HAAIR1945.dwg

CHECK CLG

HISTORICAL LANDFILL SITES
 CITY OF ORILLIA

FIGURE

A-1

PROJECT No. 11-1170-0079

REV.

REVIEW

PLOT DATE: August 23, 2013
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAAIR1965.dwg

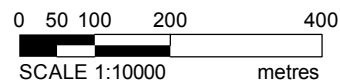


LEGEND:

— Waste Site Limit

NOTE:

1. Projection UTM NAD83 Zone 17



SCALE AS SHOWN
 DATE 04 FEB 2013
 DESIGN
 CAD S BOWERMAN

TITLE

AIR PHOTO 1965

FILE No. 1111700079HAAIR1965.dwg

CHECK CLG

**HISTORICAL LANDFILL SITES
 CITY OF ORILLIA**

FIGURE

A-2

PROJECT No. 11-1170-0079

REV.

REVIEW

PLOT DATE: August 23, 2013
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAAIR1967.dwg



LEGEND:

— Waste Site Limit

NOTE:

1. Projection UTM NAD83 Zone 17

0 50 100 200 400
 SCALE 1:10000 metres



SCALE AS SHOWN
 DATE 04 FEB 2013
 DESIGN
 CAD S BOWERMAN

TITLE

AIR PHOTO 1967

FILE No. 1111700079HAAIR1967.dwg

CHECK CLG

**HISTORICAL LANDFILL SITES
 CITY OF ORILLIA**

FIGURE

A-3

PROJECT No. 11-1170-0079

REV.

REVIEW

PLOT DATE: August 23, 2013
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAAIR1976.dwg



LEGEND:

— Waste Site Limit

NOTE:

1. Projection UTM NAD83 Zone 17

0 50 100 200 400
SCALE 1:10000 metres



SCALE AS SHOWN
DATE 04 FEB 2013
DESIGN
CAD S BOWERMAN

TITLE

AIR PHOTO 1976

FILE No. 1111700079HAAIR1976.dwg

CHECK CLG

**HISTORICAL LANDFILL SITES
CITY OF ORILLIA**

FIGURE

A-4

PROJECT No. 11-1170-0079

REV.

REVIEW

PLOT DATE: August 23, 2013
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAAIR1984.dwg



LEGEND:

— Waste Site Limit

NOTE:

1. Projection UTM NAD83 Zone 17

0 50 100 200 400
SCALE 1:10000 metres



SCALE AS SHOWN
DATE 04 FEB 2013
DESIGN
CAD S BOWERMAN

TITLE

AIR PHOTO 1984

FILE No. 1111700079HAAIR1984.dwg

CHECK CLG
REVIEW

**HISTORICAL LANDFILL SITES
CITY OF ORILLIA**

FIGURE

A-5

PLOT DATE: August 23, 2013
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-HA-KWDS\111700079HAAIR2002.dwg



LEGEND:

— Waste Site Limit

NOTE:

1. Projection UTM NAD83 Zone 17

0 50 100 200 400
 SCALE 1:10000 metres



SCALE AS SHOWN
 DATE 04 FEB 2013
 DESIGN
 CAD S BOWERMAN

TITLE

AIR PHOTO 2002

FILE No. 1111700079HAAIR2002.dwg

CHECK CLG

HISTORICAL LANDFILL SITES
 CITY OF ORILLIA

FIGURE

A-6

PROJECT No. 11-1170-0079

REV.

REVIEW



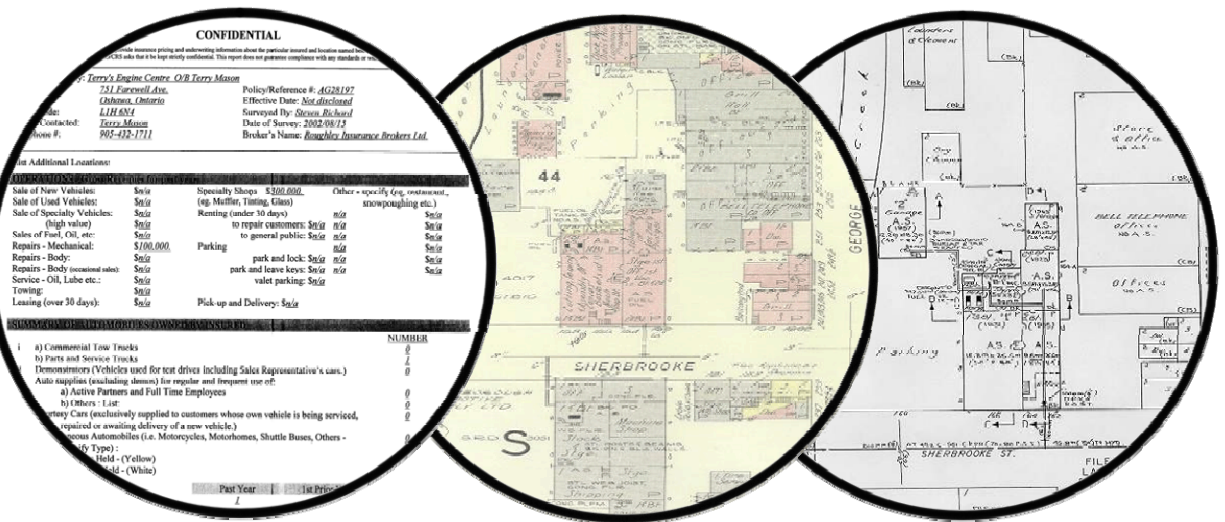
APPENDIX B

RMS Report

HEIRS™



Historical
Environmental
Information
Reporting
System



RISK MANAGEMENT SERVICES
An **SCM** Company

150 Commerce Valley Drive W
Thornhill, ON L3T 7Z3
Tel: (905) 882-6300 ext 5410
www.scm-rms.ca

Report Completed By:
Vanessa Ode

Site Address:
100 Kitchener St
Orillia, ON

Project No:
11-1170-0079

Requested by:
T. Zunti
Golder Associates

Date Completed:
April 3, 2012

RMS Environmental Services
Historical Environmental Information Reporting System (HEIRS™)

April 3, 2012

Tamara Zunti
Golder Associates
100 Scotia Ct
Whitby, ON, L1N 8Y6

Dear Tamara ,

Re: **Your Site Address: 100 Kitchener St, Orillia, ON**
Your Reference No.: 11-1170-0079

As requested, we have searched our records regarding the above site and the following information was found:

Information	Date(s)	Comment	Cost
Research Fee per street address		\$50.00 flat fee per street address.	\$50.00
Fire Insurance Plans	NRF	\$100.00 for each Fire Insurance Plan.	
Reports: All Risk/Multi-Risk Inspection COPE Other	NRF	\$55.00 for each Inspection/Survey Report.	
Site Plan(s)	NRF	\$70.00 for each Site Plan.	
Two (2) or Four (4) Day Rush Fee			
Min. order fee of \$155 applies			Total \$50.00

NRF: No Records Found. NO: Not Ordered.

The cost is \$50.00 plus courier charges (if applicable) and HST. See Terms and Conditions on page 2 of this letter.

Thank you for employing the services of SCM Risk Management Services Inc.

Vanessa Ode
RMS Environmental Services



150 Commerce Valley Drive W
Markham, Ontario
L3T 7Z3

T: 905.882.6300
Toll Free: 1.800.268.8080
F: 905.695.6543

An **SCM** Company
www.scm-rms.ca

RMS Environmental Services

Historical Environmental Information Reporting System (HEIRS™)

Terms and Conditions

Report

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

Disclaimer

RMS disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on RMS Reports or from any tortious acts or omissions of RMS's agents, employees or representatives.

Entire Agreement

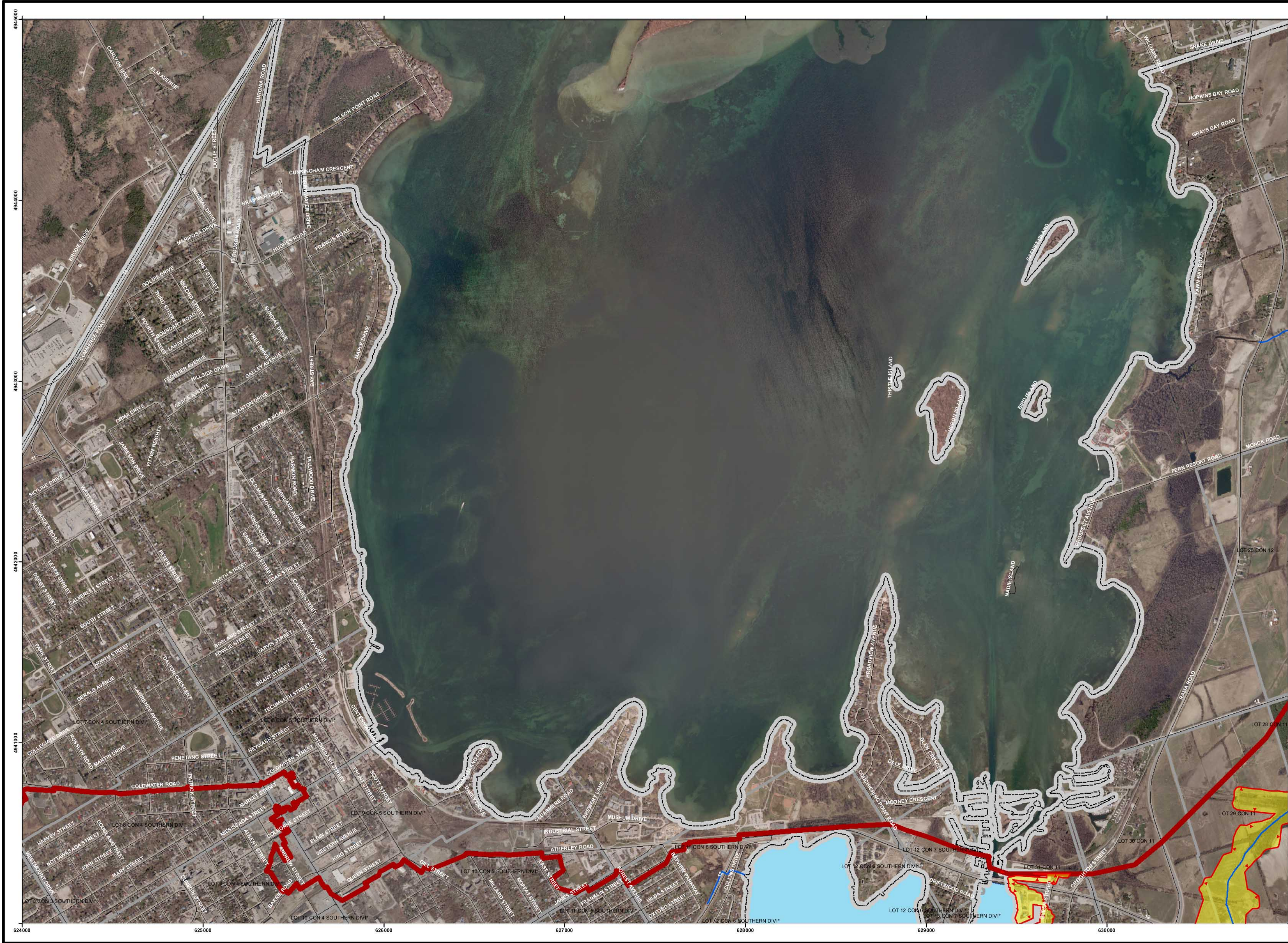
The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or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

Governing Document

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

Law

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

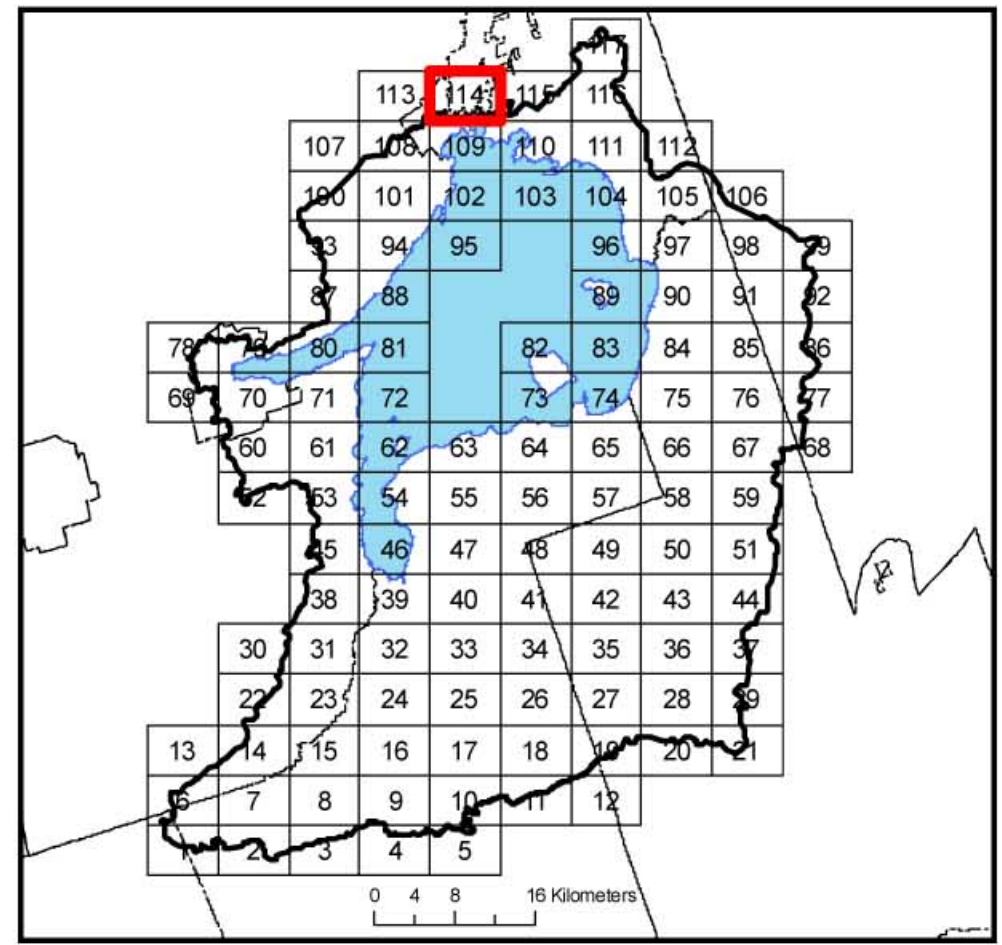


Lake Simcoe
Region
Conservation
Authority



Legend

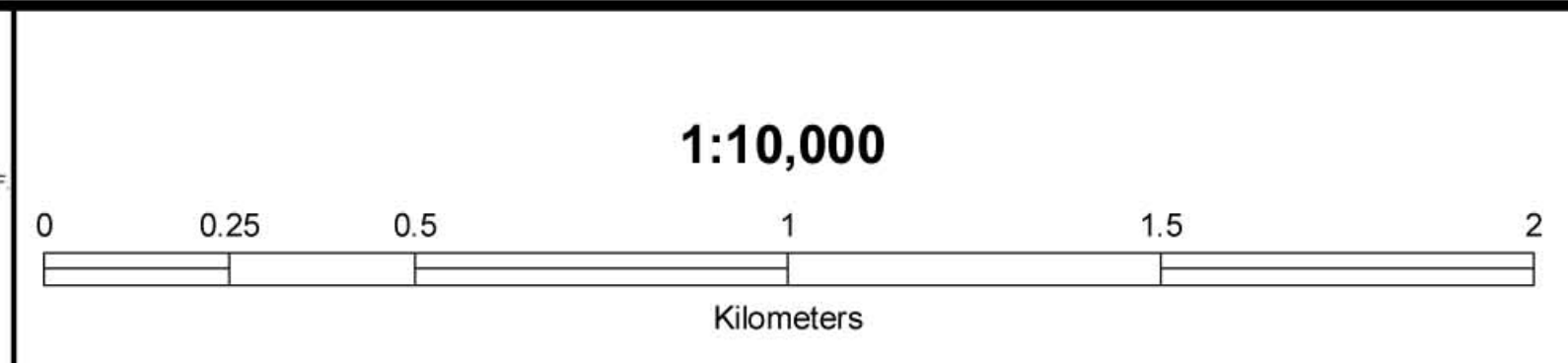
- WATERCOURSE
- ROAD
- REGULATION AREA
- LOT_CONCESSION
- LSRCA JURISDICTION
- MUNICIPAL BOUNDARY
- LAKE SIMCOE



THIS PRODUCT WAS PRODUCED BY THE LAKE SIMCOE REGION CONSERVATION AUTHORITY AND SOME INFORMATION DEPICTED ON THIS MAP MAY HAVE BEEN COMPILED FROM VARIOUS SOURCES. WHILE EVERY EFFORT HAS BEEN MADE TO ACCURATELY DEPICT THE INFORMATION, DATA/MAPPING ERRORS MAY EXIST. THIS MAP WAS PRODUCED FOR ILLUSTRATIVE PURPOSES ONLY. © LAKE SIMCOE REGION CONSERVATION AUTHORITY, 2009. ALL RIGHTS RESERVED. THE FOLLOWING DATA SETS OF MUNICIPAL BOUNDARY, LOT CONCESSION ARE © QUEEN'S PRINTER FOR ONTARIO (2009). REPRODUCED WITH PERMISSION. © J.D. BARNES LIMITED, 2002 ORTHOPHOTOGRAPHY © J.D. BARNES LIMITED, 2007 ORTHOPHOTOGRAPHY © J.D. BARNES LIMITED, 2008 ORTHOPHOTOGRAPHY.

RIVERINE HAZARDS WERE BASED ON EXISTING FLOOD PLAIN MAPPING. FLOOD PLAIN LIMITS WHERE ENGINEERING PRODUCTS DID NOT EXIST WERE DETERMINED BY LSRCA STAFF. RIVERINE EROSION HAZARDS WERE DETERMINED BY LSRCA STAFF. A 15-METER SETBACK WAS APPLIED FROM THE LIMITS OF ALL RIVERINE HAZARDS. SHORELINE FLOOD HAZARDS WERE DETERMINED BY LSRCA STAFF BY APPLYING THE EQUATIONS PREVIOUSLY DEVELOPED THROUGH AN ENGINEERING STUDY. SHORELINE EROSION HAZARDS WERE DETERMINED BY LSRCA STAFF.

WETLANDS WERE DELINEATED BY LSRCA STAFF USING THE ECOLOGICAL LAND CLASSIFICATION (ELC) SYSTEM AND BY THE MINISTRY OF NATURAL RESOURCES. SETBACKS OF 100M FROM PROVINCIAL SIGNIFICANT WETLANDS (PSW) AND 30M FROM ALL OTHER WETLANDS WERE APPLIED. MEANDERBELT WIDTHS WERE CALCULATED AS 20 TIMES THE BANKFULL WIDTHS ESTIMATED FROM THE CORRESPONDING DRAINAGE AREAS. PLEASE REFER TO "REFERENCE MANUAL FOR DETERMINATION OF REGULATION LIMITS" (LSRCA, 2005) OR CONTACT LSRCA (905-895-1291) FOR MORE INFORMATION.



0	ONTARIO REGULATION 179/06 APPROVED	MAY 8, 2006	CHECKED - NATURAL HERITAGE	KB
1	Mapping revisions to the regulation limit have been completed as referenced in the document "Regulation Limit Changes, May 2007"	SEPTEMBER 28, 2007	CHECKED - REGULATIONS	JP
2	Mapping revisions to the regulation limit have been completed as referenced in the document "Regulation Limit Changes, April 2009". Ortho imagery changed to reflect most recent imagery available. Map data disclaimer changed to reflect most current disclaimer in use.	APRIL 24, 2009	CHECKED - ENGINEERING	JP
			APPROVED	TH
			DATE:	JANUARY 2006
NO.	REVISIONS	DATE	MAPPED BY:	JB

(ONTARIO REGULATION 97/04)

REGULATION OF DEVELOPMENT, INTERFERENCE WITH WETLANDS AND ALTERATIONS TO SHORELINES AND WATERCOURSES.

ONTARIO REGULATION 179/06

PLOT DATE: APRIL 2009

FILE LOCATION:

SHEET NO.

114

OF 117



APPENDIX C

Regulatory Responses



LGI COPY SERVICES CANADA

www.lgicscanada.com

alantos@lgicscanada.com

Phone: 613-875-7387

Fax: 819-684-7624

PROJECT NUMBER: 11-1170-0079	
Site Address:	Orillia, Ontario
Year: 1998/1999	
Site Listing:	-No Civic Address Requested
Adjacent Properties:	
Kitchener Street (All)	6-Multi Tenant Office 10-Sunshine Pools -Sunshine Racquet Fitness Club -Storburn Construction 14-All Canadian Towing -Timberline Taxi 18-Res 26-Orillia Form & Fabricating 30-Ontario Recyclers 32-SA Machine & Tool 40-Waste Mgmt Advisory Council
Memorial Avenue (350-600)	355-Tim Horton Donuts 370-Harvey's 380-Super Jay's 2 385-Arby's 390-Swiss Chalet 400-Paisely Moon Rest. 405-Midas Muffler & Brake -Kelsey's 425-Union Gas 450-Orillia Dodge -Dalt's Honda 475-Harmac Transportation 500-Orillia Co-Op & Gas Bar 505-Res 555-Leon's 600-Simcoe Mazda
Olive Crescent (All)	-All Residential

Shannon Street (All)	-All Residential
Trans Canada Hwy (Hwy 12) (No Addresses)	-Street Not Listed
United Drive (All)	1-Standard Auto Glass -Enterprise Rent A Car -First Choice Auto Body 35-Grant's Heating -Granco Fuel Terminals 45-Huron Tool & Machine
West Street South (480-End)	-All Residential 480-Ministry of Transportation -Garden Rest. 495-Martin Rent-All 525-Multi Tenant Office 575-Multi Tenant Office 595-Trombly's Tackle Box 601-Trophy Wood Mfg. 609-Mayes-Martin Ltd.

PROJECT NUMBER: 11-1170-0079	
Site Address:	Orillia, Ontario
Year: 1996/1997	
Site Listing:	-No Civic Address Requested
Adjacent Properties:	
Kitchener Street (All)	6-Multi Tenant Office 10-Sunshine Pools -Sunshine Racquet Fitness Club -Storburn Construction 14-All Canadian Towing -Timberline Taxi 24-Roe Gravel 26-Orillia Form & Fabricating 30-Ontario Recyclers 32-SA Machine & Tool 34-Brockworth Industries 40-Waste Mgmt Advisory Council
Memorial Avenue (350-600)	355-Tim Horton Donuts

	370-Harvey's 380-Super Jay's 2 385-Arby's 390-Swiss Chalet 400-Paisely Moon Rest. 405-Midas Muffler & Brake -Kelsey's 425-Union Gas 450-Orillia Dodge -Dalt's Honda 475-Harmac Transportation 500-Orillia Co-Op & Gas Bar 505-Res 555-Leon's 600-Simcoe Mazda
Olive Crescent (All)	-All Residential
Shannon Street (All)	-All Residential
Trans Canada Hwy (Hwy 12) (No Addresses)	-Street Not Listed
United Drive (All)	1-Standard Auto Glass 2-First Choice Auto Body 35-Grant's Heating -Granco Fuel Terminals 45-Huron Tool & Machine
West Street South (480-End)	-All Residential 480-Garden Rest. 495-Martin Rent-All 525-Multi Tenant Office 575-Multi Tenant Office 595-Trombly's Tackle Box 601-Trophy Wood Mfg. 609-Mayes-Martin Ltd.

PROJECT NUMBER: 11-1170-0079	
Site Address:	Orillia, Ontario
Year: 1986	
Site Listing:	-No Civic Address Requested

Adjacent Properties:	
Kitchener Street (All)	1-Brian's Woodcrafting 3-World Gym 6-Multi Tenant Office 10-Sunshine Pools -Sunshine Racquet Fitness Club -Knight Construction 14-Northern & Central Gas 24-Roe Gravel -Central Disposal 26-Diverse Blending 32-Huronia Fuels 34-Brockworth Industries
Memorial Avenue (350-600)	385-Arby's 400-Holiday Inn 425-IMT Cranes 440-Dalt's Chrysler Dodge 450-Dalt's Honda 475-IMT Cranes 500-Orillia Co-Op & Gas Bar 505-Trillium Cable Communications
Olive Crescent (All)	-All Residential
Shannon Street (All)	-All Residential
Trans Canada Hwy (Hwy 12) (No Addresses)	-Street Not Listed
United Drive (All)	45-Wide Range Mechanical
West Street South (480-End)	-All Residential 480-Brennan Auto Sales 495-Martin Rent-All 525-Multi Tenant Office 580-Four Seasons Variety 595-Annis-Way Signs 601-Trophy Designs Ltd. 609-Mayes-Martin Ltd.

PROJECT NUMBER: 11-1170-0079	
Site Address:	Orillia, Ontario
Year: 1982	
Site Listing:	-No Civic Address Requested
Adjacent Properties:	
Kitchener Street (All)	6-Multi Tenant Office 10-Sunshine Pools -Sunshine Racquet Fitness Club -Knight Construction 24-Simcoe Truck Centre 26-Diverse Blending 30-Littlejohn Athletic Products 34-Intra-Medical Pharmaceutical
Memorial Avenue (350-600)	400-Holiday Inn 425-Condis Int'l 450-Dalt's Honda 475-Red Top Equip't 500-United Co-Op of Ontario 505-Orillia Cable Communications
Olive Crescent (All)	-All Residential
Shannon Street (All)	-All Residential
Trans Canada Hwy (Hwy 12) (No Addresses)	-Street Not Listed
United Drive (All)	45-Grand River Sales
West Street South (480-End)	-All Residential 525-Multi Tenant Office 580-Arview Motel & Variety 595-Annis-Way Signs 601-Trophy Designs Ltd. 609-Howard Fuels

PROJECT NUMBER: 11-1170-0079	
Site Address:	Orillia, Ontario
Year: 1976	
Site Listing:	-No Civic Address Requested
Adjacent Properties:	
Kitchener Street (All)	6-Sunshine Pools -Knight Construction 24-Simcoe Truck Centre 26-Stan's Car Care 30-Maber Mfg. 3-Orillia Ortho Aplncls 34-Annis-Way Signs -Good Host Foods
Memorial Avenue (350-600)	425-Condis Int'l 500-Hogan Ford Sales 505-Orillia Cable TV
Olive Crescent (All)	-All Residential
Shannon Street (All)	-All Residential
Trans Canada Hwy (Hwy 12) (No Addresses)	-Street Not Listed
United Drive (All)	-Street Not Listed
West Street South (480-End)	-All Residential 580-Lakeview Motel & Variety 595-Annis-Way Signs 601-Trophy Designs Ltd. 609-Howard Fuels

PROJECT NUMBER: 11-1170-0079	
Site Address:	Orillia, Ontario
Year: 1966	
Site Listing:	-No Civic Address Requested
Adjacent Properties:	

Kitchener Street (All)	-Street Not Listed
Memorial Avenue (350-600)	-No Listings Within Radius
Olive Crescent (All)	-All Residential
Shannon Street (All)	-All Residential
Trans Canada Hwy (Hwy 12) (No Addresses)	-Street Not Listed
United Drive (All)	-Street Not Listed
West Street South (480-End)	-All Residential 595-Annis-Way Signs 601-Trophy Designs Ltd. 609-Nichols Shell Prod

PROJECT NUMBER: 11-1170-0079	
Site Address:	Orillia, Ontario
Year: 1961	
Site Listing:	-No Civic Address Requested
Adjacent Properties:	
Kitchener Street (All)	-Street Not Listed
Memorial Avenue (350-600)	-No Listings Within Radius
Olive Crescent (All)	-All Residential
Shannon Street (All)	-All Residential
Trans Canada Hwy (Hwy 12) (No Addresses)	-Street Not Listed
United Drive (All)	-Street Not Listed
West Street South (480-End)	-All Residential

*****Orillia, Ontario is listed from 1961 to 1999 within the city directory archives*****



APPENDIX D

EcoLog ERIS Report



Canada's Primary Environmental Risk Information Service

Project Site: Historical Landfill Sites Orillia
Highway 12
Orillia, ON

Client: Tamara Zunti
Golder Associates Ltd.
100 Scotia Court
Whitby, ON L1N8Y6

ERIS Project No: 20120322017

Report Type: Custom Report - .25km Search Radius

Prepared By: Matt Thompson
mthompson@eris.ca

Date: March 30, 2012

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Table of Contents

Order Number: 20120322017
Site Name: Historical Landfill Sites Orillia
Site Address: Highway 12 Orillia, ON
Report Type: Custom Report, 0.25 km Search Radius

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

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Appendix: Database Descriptions

Report Summary

Order Number: 20120322017
 Site Name: Historical Landfill Sites Orillia
 Site Address: Highway 12 Orillia, ON
 Report Type: Custom Report, 0.25 km Search Radius

Number of Mappable Records Surrounding the Site

Database	Selected	On-site	Within 0.25	0.25km to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	4	5	5
AUWR	Automobile Wrecking & Supplies	Y	0	1	1
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	4	10	10
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
COAL	Coal Gasification Plants	Y	0	0	0
CONV	Compliance and Convictions	Y	0	1	1
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	0	0
EBR	Environmental Registry	Y	1	7	7
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	6	6
EIIS	Environmental Issues Information System	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	25	25
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	7	7
GEN	Ontario Regulation 347 Waste Generators Summary	Y	10	42	42
HINC	TSSA Historic Incidents	Y	1	2	2
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	1	1	1
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	1	1
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

Report Summary

Order Number: 20120322017
 Site Name: Historical Landfill Sites Orillia
 Site Address: Highway 12 Orillia, ON
 Report Type: Custom Report, 0.25 km Search Radius

Database	Selected	On-site	Within 0.25	0.25km to 0.25km	Total
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	6	6
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	8	8
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	1	0	1
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	8	8
SCT	Scott's Manufacturing Directory	Y	1	12	12
SPL	Ontario Spills	Y	26	32	32
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	4	10	10
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	1	1	1
WWIS	Water Well Information System	Y	9	17	17
TOTAL		63	203	0	203

The databases chosen by the client as per the submitted order form are denoted in the 'Selected' column in the above table. Counts have been provided outside the primary buffer area for cursory examination only. These records have not been examined or verified, therefore, they are subject to change.



Pinpointing Your Environmental Risks

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

Project Property: Historical Landfill Sites Orillia
Highway 12
Orillia, ON

ERIS Project #: 20120322017

Date: MAR-30-2012

LEGEND

Project Property

Database Location

Points of Interest

Chimney

Silo

Pipe & Transmission Lines

Pipeline

Transmission Line

Transmission Tower

Transformer Station

Rail

Railway - Main

Railway - Sidetrack

Railway - Abandoned

Bridge

Tunnel

Transportation - Other

Embankment

Trail

Runway

Hydrographic Features

Permanent Waterway

Intermittent Waterway

Open Reservoir

Dyke/Levee

Dam

Breakwall

Wetland

Landuse Classifications

Open Area

Residential

Commercial

Resource and Industrial

Government and Institutional

Parks and Recreational

Waterbody

Recreation

Golf Course/Driving Range

Park/Sports Field

Other Recreation Area

Sports/Race Track

Cemetery

Campground

Vegetation

Wooded Area

Orchard

Vineyard

Industrial Resources

Conveyor

Crane: Moveable

Crane: Stationary

Tank

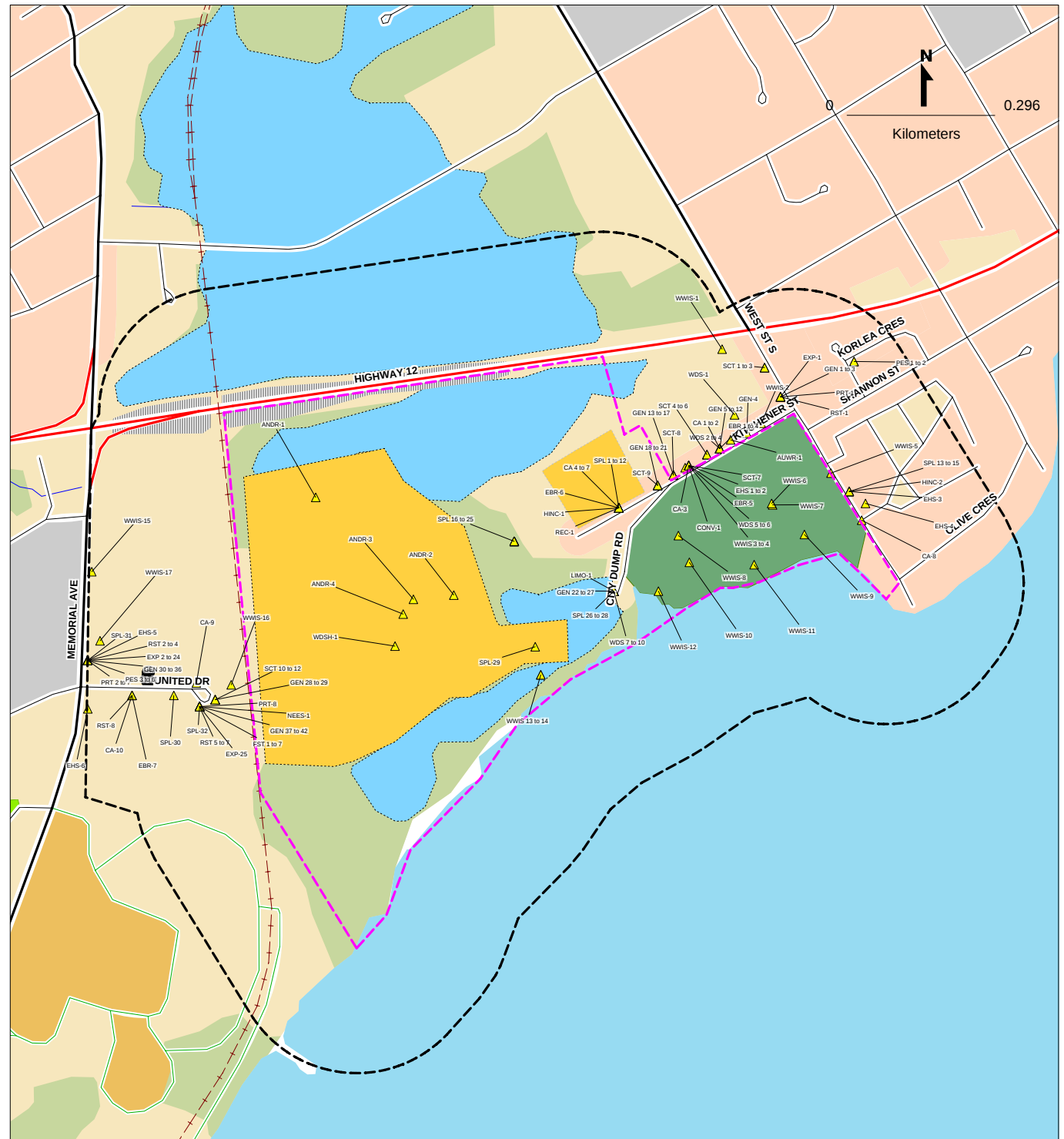
Rock Cut

Auto Wrecker

Lumber Yard

Pit

SITE DIAGRAM



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

Site Report

Order Number: 20120322017
 Site Name: Historical Landfill Sites Orillia
 Site Address: Highway 12 Orillia, ON
 Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Ontario Regulation 347 Waste Receivers Summary

Map Key	Company Name	Address	City	Postal Code
REC-1	ORILLIA, CITY OF	WATER POLLUTION CONTROL PLANT 40 KITCHENER STREET	ORILLIA	L3V 6Z9

TSSA Historic Incidents

Map Key	Company Name	Address	City	Postal Code
HINC-1		40 KITCHENER STREET	ORILLIA	

Ontario Spills

Map Key	Company Name	Address	City	Postal Code
SPL-1	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-2	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-3	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-4	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-5	The Corporation of the City of Orillia	40 Kitchener St	Orillia	
SPL-6	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-7	The Corporation of the City of Orillia	40 Kitchener St	Orillia	
SPL-8	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-9	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-10	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-11	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-12	The Corporation of the City of Orillia	40 Kitchener St	Orillia	L3V 6Z9
SPL-16	ORILLIA PUC	LAKE SIMCOE ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-17	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-18	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-19	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	

Site Report

Order Number: 20120322017
 Site Name: Historical Landfill Sites Orillia
 Site Address: Highway 12 Orillia, ON
 Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Map Key	Company Name	Address	City	Postal Code
SPL-20	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-21	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-22	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-23	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-24	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-25	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET	ORILLIA CITY	
SPL-26	The Corporation of the City of Orillia	100 Kitchener St	Orillia	
SPL-27	The Corporation of the City of Orillia	100 Kitchener St	Orillia	
SPL-28	The Corporation of the City of Orillia	LOTS 11 & 12, CONC. 4	Orillia	
SPL-29	The Corporation of the City of Orillia	100 Kitchener St	Orillia	

Anderson's Waste Disposal Sites

Map Key	Company Name	Address	City	Postal Code
ANDR-1	Kitchener St Dump '10 (alt)		Orillia	L3V 6Z9
ANDR-2	Kitchener St Dump '01 1976		Orillia	L3V 6Z9
ANDR-3	Kitchener St Dump '01 1976		Orillia	L3V 6Z9
ANDR-4	Kitchener St Dump '01 (official)		Orillia	L3V 6Z9

Certificates of Approval

Map Key	Company Name	Address	City	Postal Code
CA-4	The Corporation of the City of Orillia	40 Kitchener Street	Orillia	
CA-5	The Corporation of the City of Orillia	40 Kitchener St	Orillia	
CA-6	The Corporation of the City of Orillia	40 Kitchener St	Orillia	

Site Report

Order Number: 20120322017
Site Name: Historical Landfill Sites Orillia
Site Address: Highway 12 Orillia, ON
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Map Key	Company Name	Address	City	Postal Code
CA-7	The Corporation of the City of Orillia	40 Kitchener Street	Orillia	
<u>Ontario Regulation 347 Waste Generators Summary</u>				
Map Key	Company Name	Address	City	Postal Code
GEN-18	BROCKWORTH INDUSTRIES LIMITED	34 KITCHENER STREET	ORILLIA	L3V 6Z9
GEN-19	BROCKWORTH INDUSTRIES 06-203	34 KITCHENER ST.	ORILLIA	L3V 6Z9
GEN-20	BROCKWORTH INDUSTRIES	34 KITCHENER STREET	ORILLIA	L3V 6Z9
GEN-21	BROCKWORTH INDUSTRIES	34 KITCHENER ST.	ORILLIA	L3V 6Z9
GEN-22	ORILLIA, CORPORATION OF THE CITY OF	ORILLIA WASTE DIVERSION SITE 100 KITCHENER STREET	ORILLIA	L3V 6Z9
GEN-23	ORILLIA, CORP. OF THE CITY OF	ORILLIA SANITARY LANDFILL SITE 100 KITCHENER ST.	ORILLIA	L3V 6J1
GEN-24	ORILLIA, CORP. OF THE CITY OF	ORILLIA SANITARY LANDFILL SITE 100 KITCHENER STREET	ORILLIA	
GEN-25	ORILLIA, CORPORATION OF THE CITY OF	ORILLIA SANITARY LANDFILL SITE 100 KITCHENER STREET	ORILLIA	
GEN-26	ORILLIA, CORP. OF THE CITY OF 29-516	ORILLIA SANITARY LANDFILL SITE 100 KITCHENER STREET	ORILLIA	
GEN-27	ORILLIA, CORPORATION OF THE CITY OF Public Works Dept	ORILLIA WASTE DIVERSION SITE 100 KITCHENER STREET	ORILLIA	L3V 6Z9
<u>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</u>				
Map Key	Company Name	Address	City	Postal Code
WDSH-1		PT 11-12 4	ORILLIA	
<u>Waste Disposal Sites - MOE CA Inventory</u>				
Map Key	Company Name	Address	City	Postal Code

Site Report

Order Number: 20120322017
Site Name: Historical Landfill Sites Orillia
Site Address: Highway 12 Orillia, ON
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Map Key	Company Name	Address	City	Postal Code
WDS-7		100 Kitchener Street Lots 11 & 12, Conc. 4	Orillia	
WDS-8	The Corporation of the City of Orillia	100 Kitchener Street	Orillia	
WDS-9	The Corporation of the City of Orillia	100 Kitchener Street	Orillia	
WDS-10	The Corporation of the City of Orillia	100 Kitchener St Lot 11 & 12, Concession 4	Orillia	

Water Well Information System

Map Key	Company Name	Address	City	Postal Code
WWIS-6				
WWIS-7			ORILLIA	
		lot 12 con 4		
WWIS-8			ORILLIA	
WWIS-9				
WWIS-10				
WWIS-11				
WWIS-12				
WWIS-13			Orillia	
WWIS-14				

Landfill Inventory Management Ontario

Map Key	Company Name	Address	City	Postal Code
LIMO-1	The Corporation of the City of Orillia	100 Kitchener Street; Lot 11-12, Conc 4	City of Orillia	

Scott's Manufacturing Directory

Map Key	Company Name	Address	City	Postal Code
SCT-9	BROCKWORTH INDUSTRIES LIMITED	34 KITCHENER ST	ORILLIA	L3V 6Z9

Environmental Registry

Map Key	Company Name	Address	City	Postal Code
EBR-6	The Corporation of the City of Orillia	40 Kitchener Street	Orillia	

Detail Report

Order Number: 20120322017
Site Name: Historical Landfill Sites Orillia
Site Address: Highway 12 Orillia ON
Report Type: Custom Report, 0.25 km Search Radius

If information is required for sites located beyond the selected address, please contact your ERIS representative.

Anderson's Waste Disposal Sites
Automobile Wrecking & Supplies
Certificates of Approval
Compliance and Convictions
Environmental Registry
ERIS Historical Searches
List of TSSA Expired Facilities
Fuel Storage Tank
Ontario Regulation 347 Waste Generators Summary
TSSA Historic Incidents
Landfill Inventory Management Ontario
National Analysis of Trends in Emergencies System (NATES)
National Environmental Emergencies System (NEES)
Pesticide Register
Private and Retail Fuel Storage Tanks
Ontario Regulation 347 Waste Receivers Summary
Retail Fuel Storage Tanks
Scott's Manufacturing Directory
Ontario Spills
Waste Disposal Sites - MOE CA Inventory
Waste Disposal Sites - MOE 1991 Historical Approval Inventory
Water Well Information System

Anderson's Waste Disposal Sites

Map Key	Name	Facility	Location	City/Town	Known Active Decade	Reference #
ANDR-1	Kitchener St Dump '10 (alt) Related Site(s)	Dump	Kitchener St; wooded swampy area 250m S of Highway 12, 100m N of marked dump area, 225m E of CNR R-O-W, 650m W of the end of Kitchener St*	Orillia	1960s	MOEE 4110 alt
ANDR-2	Kitchener St Dump '01 1976 Related Site(s)	Dump	approx. 450m S of Highway 12, 325m E of CNR R-O-W, at W end of 600m spur road leading from western end of Kitchener St*, W of filtration plant	Orillia	1970s	MOEE a250601 1976
ANDR-3	Kitchener St Dump '01 1976 Related Site(s)	Dump	marsh, shores of Lake Simcoe, S of Highway 12	Orillia	1960s, 1970s	MOEE a250601 1976

Anderson's Waste Disposal Sites

Map Key	Name	Facility	Location	City/Town	Known Active Decade	Reference #
	Related Site(s)					
ANDR-4	Kitchener St Dump '01 (official) Related Site(s)	Dump	approx. 450m S of Highway 12, 325m E of CNR R-O-W, at W end of 600m spur road leading from western end of Kitchener St*, W of filtration plant	Orillia	1970s, 1980s, 1990s	MOEE a250601
ANDR-5	Kitchener St Dump '10 (official) Related Site(s)	Dump	cleared area 400m E of 3rd Concession/Woodland Ave*, 960m to CNR ROW,	Orillia	1960s	MOEE 4110

Automobile Wrecking & Supplies

Map Key	Company	Address	Facility	Description
AUWR-1	F M RECYCLING	18 KITCHENER ST ORILLIA L3V 6Z9	SCRAP METALS	

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	DOUG ROE ENTERPRISES LIMITED	24 KITCHENER STREET ORILLIA CITY L3V 6Z9	8-1023-97-	97	4/3/1997	Industrial air	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: RECYCLING EMPTY AEROSOLS Contaminants: Dimethyl Ether Emission Control: No Controls					
CA-2	Doug Roe Enterprises Limited	24 Kitchener Street Orillia L3V 6Z9	A840222	2002	9/5/2002	Waste Management Systems	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
CA-3	948386 ONTARIO LTD., ONTARIO RECYCLER	30 KITCHEN ST., PT.LOT 12 ORILLIA CITY	8-1084-97-	97	4/14/1997	Industrial air	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: EXH.FOR A 200 HP GASOLINE POWERED ENGINE Contaminants: Emission Control:					
CA-4	The Corporation of the City of Orillia	40 Kitchener Street Orillia	4843-6AJHYB	2005	3/23/2005	Municipal and Private Sewage Works	Revoked and/or Replaced	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-5	The Corporation of the City of Orillia	40 Kitchener St Orillia	4402-8L7PWT	2011	8/31/2011	Air	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
CA-6	The Corporation of the City of Orillia	40 Kitchener St Orillia	0286-758MW6	2007	7/25/2007	Municipal and Private Sewage Works	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
CA-7	The Corporation of the City of Orillia	40 Kitchener Street Orillia	0844-5ZKQE9	2004	6/14/2004	Municipal and Private Sewage Works	Revoked and/or Replaced	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
CA-8	ORILLIA CITY	OLIVE CRES./WEST ST. S ORILLIA CITY	3-0306-92-	92	4/23/1992	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-9	BARRWOOD DEVELOPMENT LTD.	SWM-40 UNITED AVENUE ORILLIA CITY L3V 6H1	3-1782-97-	97	12/22/1997	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
CA-10	JIM L. SMITH O/A FIRST CHOICE AUTO BODY	1 UNITED DRIVE ORILLIA L3V 6H1	8-1263-98-	98	//	Industrial air	In progress	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: WASTE DERIVED FUEL HEATER Contaminants: Emission Control:					
n/a	ORILLIA CITY	KITCHENER STREET ORILLIA CITY	8-3370-90-	90	7/31/1991	Industrial air	Approved in 1991	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: OPERATIONS CENTRE-LAB. & VENT. EQUIPMENT Contaminants: Acetic Acid, Acetone, Hydrogen Chloride, Hydrogen Peroxide, Nitric Acid, Sulphuric Acid Emission Control: No Controls					
n/a	ORILLIA CITY - DIGESTER GAS MODS	KITCHENER ST./HWY. #12/WEST ST ORILLIA CITY	8-3201-91-	91	2/10/1992	Industrial air	Approved in 1992	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: REPLACE GAS BURNER, RELOCATE VAREC MODEL Contaminants: Nitrogen Oxides Emission Control: Flare					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	OTTO CSEKEY	WEST STREET ORILLIA CITY	3-0989-88-	88	8/11/1988	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	MEMORIAL AVENUE INVESTMENTS LIMITED	MEMORIAL AVE. COMMERCIAL DEVEL ORILLIA CITY	3-1872-88-	88	11/3/1988	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	CARL MCDAID ENTERPRISES LIMITED PRIVATE	LOT 1, REG. PLAN 395, WEST ST. ORILLIA CITY	3-0617-89-	89	7/25/1989	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	T. TSELIKIS - REG. PLAN 673	MEMORIAL AVENUE ORILLIA CITY	3-2132-89-	89	12/21/1989	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	A.H. DOUGLAS INVESTMENTS CORP. LTD.	S.W. CORNER MEMORIAL AVE. ORILLIA CITY	3-1027-89-	89	1/23/1990	Municipal sewage	Approved in 1990	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	INVERMARA BAY(DIVISION OF 731232 ONT.LTD	LOT 18, R.P.910 ,HWY 12 ORILLIA CITY	7-0615-88-	88	5/13/1988	Municipal water	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	CARL MCDAIDE ENTERPRISES LTD. PRIVATE	LOT 1, REG. PLAN 395, WEST ST. ORILLIA CITY	7-0543-89-	89	7/25/1989	Municipal water	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	ORILLIA CITY	WEST ST. SOUTH ORILLIA CITY	7-0320-89-	89	7/28/1989	Municipal water	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	GOLDWING FABRICATING LIMITED	WEST ST.S., LOTS 3&4 (SWM) ORILLIA CITY	3-0797-94-	94	7/12/1994	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	OTTO CSEKEY	WEST STREET ORILLIA CITY	7-0861-88-	88	8/11/1988	Municipal water	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	ORILLIA CITY	HIGH ST./SHANNON ST./OLIVE CRE ORILLIA	7-0148-98-	98	5/12/1998	Municipal water	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	1138806 ONTARIO LIMITED	PT.LOT 11/CON.3&4,S. ORLLIA ORILLIA CITY	3-1823-97-	97	1/5/1998	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	Memorial Avenue Storm Sewers	Lots 10 and 11, Concession 4 Orillia	4440-5ALQ9X	02	6/3/02	Municipal & Private sewage	Approved	New Certificate of Approval
			Client Name: The Corporation of the City of Orillia Client Address: 50 Andrew Street South Client City: Orillia Client Postal Code: L3V 7T5 Project Description: Approval is sought for the construction of storm sewers on Memorial Avenue and James Street. Contaminants: Emission Control:					
n/a	Bet-Ray Developments Limited	Kitchener Street Orillia	4122-6SSHGY	2006	8/25/2006	Municipal and Private Sewage Works	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
n/a	The Corporation of the City of Orillia	West Street From Highway 12 Bypass to Shannon Street Orillia	2381-8MKLE5	2011	10/19/2011	Municipal and Private Sewage Works	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					

Compliance and Convictions

Map Key	Company	Address	File No.	Crown Brief No.	Ministry District	Region
CONV-1	948386 ONTARIO LTD.			98-0000-9001		SOUTH WEST REGION
Description: THIS IS THE SOUTHWEST BRIEF FOR ALL P.O.A. TICKETS.						
			<u>Date Charged</u>	<u>Fine</u>	<u>Act/Regulation/Section</u>	<u>Charge Disposition</u>
			5/25/98	\$300.00	EPA- -186(3)	SUSPENDED SENTENCE
			5/25/98	\$300.00	EPA- -186(3)	SUSPENDED SENTENCE

Environmental Registry

Map Key	Company	Address	Year	EBR Registry No.	Ministry Ref. No.	Type
EBR-1	MID Ontario Disposal Doug Roe Ent. Inc.	City of Orillia	1996	IA6E0622		Instrument
			Instrument Type:	EPA s. 27 - Approval for a waste disposal site.		
			Proposal Date:	4/29/96		
			Location:	City of Orillia		
			Proponent Address:	MID Ontario Disposal Doug Roe Ent. Inc., Doug Roe Enterprises Ltd., 377 BREWERY LANE, Orillia, Ontario, L3V 3Y7		
EBR-2	Doug Roe Enterprises Limited	24 KITCHENER STREET City of Orillia L3V 6Z9	1997	IA7E0123		Instrument
			Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	2/4/97		
			Location:	City of Orillia		
			Proponent Address:	Doug Roe Enterprises Limited 377 Brewery Lane, Orillia, Ontario, L3V 7H8		
EBR-3	MID Ontario Disposal Doug Roe Ent. Inc. Doug Roe Enterprises Ltd.	City of Orillia	1999	IA9E0313		Instrument
			Instrument Type:	EPA s. 27 - Approval for a waste disposal site.		
			Proposal Date:	3/10/99		
			Location:	City of Orillia		
			Proponent Address:	MID Ontario Disposal Doug Roe Ent. Inc. Doug Roe Enterprises Ltd., 377 BREWERY LANE, Orillia, Ontario, L3V 3Y7		
EBR-4	Doug Roe Enterprises Limited	24 Kitchener Street Orillia L3V 6Z9	2005	IA05E1719	2168-6HDPN3	Instrument Decision
			Instrument Type:	Approval for a waste disposal site. - EPA s. 27		
			Proposal Date:			
			Location:	24 Kitchener Street Orillia Ontario L3V 6Z9		
			Proponent Address:	P.O. Box 9, Station Main Orillia Ontario L3V 6H9		
EBR-5	Capital Environmental Resources Inc	30 Kitchener Street (Lot 11) City of Orillia L3V 6Z9	1999	IA9E0503		Instrument
			Instrument Type:	EPA s. 27 - Approval for a waste disposal site.		
			Proposal Date:	4/21/99		
			Location:	City of Orillia		
			Proponent Address:	Capital Environmental Resources Inc. 1005 Skyview Drive, Burlington, Ontario, Ontario, L9P 5B1		
EBR-6	The Corporation of the City of Orillia	40 Kitchener Street Orillia	2011	011-3199	3652-88WPJD	Instrument Proposal
			Instrument Type:	(OWRA s. 53(1)) - Approval for sewage works		
			Proposal Date:	April 11, 2011		
			Location:	40 Kitchener Street Orillia, County of Simcoe L3V 6Z9		
			Proponent Address:	50 Andrew Street South Suite 300 Orillia Ontario Canada L3V 7T5		

Environmental Registry

Map Key	Company	Address	Year	EBR Registry No.	Ministry Ref. No.	Type
EBR-7	James SmithO/A First Choice Auto Body	1 United Drive City of Orillia L3V 6H1	1999	IA9E0160		Instrument
				Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)	
				Proposal Date:	2/4/99	
				Location:	City of Orillia	
				Proponent Address:	James SmithO/A First Choice Auto Body,1 United Drive, Unit 2,Orillia, Ontario, L3V 6H1	

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		30 Kitchener St Orillia L3V 6Z9	20010203016 Addit. Info Ordered:	2/13/01	Complete Report	0.25
EHS-2		30 Kitchener St. Orillia L3V 6Z9	20070622024 Addit. Info Ordered:	6/28/2007 Fire Insur. Maps And /or Site Plans; Aerials Photos	CAN - Complete Report	0.25
EHS-3		580 West Street South Orillia L3V 6L8	20050511006 Addit. Info Ordered:	5/12/2005		0.45
EHS-4		560 west st s Orillia L3V 5H6	20100520021 Addit. Info Ordered:	5/21/2010	Site Report	0.25
EHS-5		500 Memorial Avenue Orillia L3V 6H1	20070119003 Addit. Info Ordered:	1/29/2007 Fire Insur. Maps And /or Site Plans; City Directory	CAN - Complete Report	0.25
EHS-6		600 Memorial Avenue Orillia	20040331001 Addit. Info Ordered:	4/8/04 Fire Insur. Maps and/or Site Plans; Aerials Photos and/or Topographical Maps	Complete Report	0.25

List of TSSA Expired Facilities

Map Key	Company	Address	Instance ID	Instance Number	Context	Status:
EXP-1	MAYES-MARTIN LIMITED	609 WEST ST S ORILLIA L3V 5H7	384577	9599666	FS Facility	EXPIRED
			Description:	FS Bulk Plant (Small)		
EXP-2	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	20078	10465237	FS Highway Tank - Gas/Diesel	EXPIRED
			Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
EXP-3	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	11228	10060656	FS Facility	EXPIRED
			Description:	FS Gasoline Station - Full Serve		
EXP-4	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	19104	10465321	FS Highway Tank - Gas/Diesel	EXPIRED
			Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
EXP-5	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	19222	10465251	FS Highway Tank - Gas/Diesel	EXPIRED
			Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
EXP-6	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	73711	11228504	FS Propane Tank	EXPIRED
			Description:	FS Propane Tank		
EXP-7	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	20790	10465244	FS Highway Tank - Gas/Diesel	EXPIRED
			Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
EXP-8	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	20882	10465240	FS Highway Tank - Gas/Diesel	EXPIRED
			Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
EXP-9	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	391118	9567312	FS Facility	EXPIRED
			Description:	FS Propane Cylr Handling Facility		
EXP-10	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	11196	10059146	FS Facility	EXPIRED
			Description:	FS Propane Refill Cntr - Cylr Fill		

List of TSSA Expired Facilities

Map Key	Company	Address	Instance ID	Instance Number	Context	Status:
EXP-11	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	11229	10060684	FS Facility	EXPIRED
			Description:	FS Propane Refill Cntr - Cylr Fill		
EXP-12	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74203	11230966	FS Liquid Fuel Tank	EXPIRED
			Description:	FS Liquid Fuel Tank		
EXP-13	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74103	11231031	FS Liquid Fuel Tank	EXPIRED
			Description:	FS Liquid Fuel Tank		
EXP-14	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74200	11230996	FS Liquid Fuel Tank	EXPIRED
			Description:	FS Liquid Fuel Tank		
EXP-15	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74664	11231071	FS Liquid Fuel Tank	EXPIRED
			Description:	FS Liquid Fuel Tank		
EXP-16	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74736	11231126	FS Liquid Fuel Tank	EXPIRED
			Description:	FS Liquid Fuel Tank		
EXP-17	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74932	11231101	FS Liquid Fuel Tank	EXPIRED
			Description:	FS Liquid Fuel Tank		
EXP-18	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74212	11231051	FS Piping	EXPIRED
			Description:	FS Piping		
EXP-19	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74207	11231114	FS Piping	EXPIRED
			Description:	FS Piping		
EXP-20	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74220	11231139	FS Piping	EXPIRED
			Description:	FS Piping		

List of TSSA Expired Facilities

Map Key	Company	Address	Instance ID	Instance Number	Context	Status:
EXP-21	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74713	11230981	FS Piping	EXPIRED
			Description:	FS Piping		
EXP-22	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	75199	11231016	FS Piping	EXPIRED
			Description:	FS Piping		
EXP-23	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	73798	11231087	FS Piping	EXPIRED
			Description:	FS Piping		
EXP-24	UPI ENERGY LP*	500 MEMORIAL AV ORILLIA L3V 6H1	74774	11228522	FS Propane Tank	EXPIRED
			Description:	FS Propane Tank		
EXP-25	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V 6H1	399032	9929150	FS Facility	EXPIRED
			Description:	FS Bulk Plant (Small)		
n/a	ARCHIE DENNE	HWY 12 RR 2 RR 2 STN MAIN ORILLIA L3V 6H2	391918	9893028	FS Facility	EXPIRED
			Description:	FS Propane Refill Cntr - Cylr Fill		

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-1	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V 6H1	12/3/2003 12:03:00 PM	Licensed	December 2008	Retail Fuel Outlet	Bulk Plant (medium)
			<u>Status</u>	<u>Capacity (L)</u>	<u>Year of Installation</u>	<u>Corrosion Protection</u>	<u>Tank Fuel Type</u>
			Active	45400	1990		Liquid Fuel Single Wall AST - Fuel Oil
			Active	45400	1989		Liquid Fuel Single Wall AST - Gasoline
			Active	45400	1989		Liquid Fuel Single Wall AST - Diesel
			Active	45400	1988		Liquid Fuel Single Wall AST - Fuel Oil
			Active	45400	1988		Liquid Fuel Single Wall AST - Gasoline
			Active	45400	1988		Liquid Fuel Single Wall AST - Diesel
			Active	45400	1988		Liquid Fuel Single Wall AST - Fuel Oil
			Active	45400	1990		Liquid Fuel Single Wall AST - Diesel
			Active	45400	1990		Liquid Fuel Single Wall AST - Fuel Oil
			Active	45400	1988		Liquid Fuel Single Wall AST - Fuel Oil
FST-2	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V 6H1			January 2010	Retail Fuel Outlet	FS BULK PLANT (MEDIUM)
			<u>Status</u>	<u>Capacity (L)</u>	<u>Year of Installation</u>	<u>Corrosion Protection</u>	<u>Tank Fuel Type</u>
			Active	45400	1988	Painted	Single Wall UST - Diesel
			Active	45400	1988	Painted	Single Wall UST - Fuel Oil
			Active	45400	1990	Painted	Single Wall UST - Diesel

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-3	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V 6H1			January 2010	Retail Fuel Outlet	FS GASOLINE STATION - CARD/KEYLOCK
			<u>Status</u>	<u>Capacity (L)</u>	<u>Year of Installation</u>	<u>Corrosion Protection</u>	<u>Tank Fuel Type</u>
			Active	45400	1988	Painted	Liquid Fuel Single Wall AST - Gasoline
			Active	45400	1989	Painted	Liquid Fuel Single Wall AST - Diesel
			Active	45400	1989	Painted	Liquid Fuel Single Wall AST - Gasoline
FST-4	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V 6H1			June 2011	Retail Fuel Outlet	FS GASOLINE STATION - CARD/KEYLOCK
			<u>Status</u>	<u>Capacity (L)</u>	<u>Year of Installation</u>	<u>Corrosion Protection</u>	<u>Tank Fuel Type</u>
			Active	45400	1989	Painted	Liquid Fuel Single Wall AST - Gasoline
			Active	45400	1989	Painted	Liquid Fuel Single Wall AST - Diesel
			Active	45400	1988	Painted	Liquid Fuel Single Wall AST - Gasoline
FST-5	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V 6H1			June 2010	Retail Fuel Outlet	FS GASOLINE STATION - CARD/KEYLOCK
			<u>Status</u>	<u>Capacity (L)</u>	<u>Year of Installation</u>	<u>Corrosion Protection</u>	<u>Tank Fuel Type</u>
			Active	45400	1988	Painted	Liquid Fuel Single Wall AST - Gasoline
			Active	45400	1989	Painted	Liquid Fuel Single Wall AST - Diesel
			Active	45400	1989	Painted	Liquid Fuel Single Wall AST - Gasoline

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-6	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V 6H1			June 2011	Retail Fuel Outlet	FS BULK PLANT (MEDIUM)
			<u>Status</u>	<u>Capacity (L)</u>	<u>Year of Installation</u>	<u>Corrosion Protection</u>	<u>Tank Fuel Type</u>
			Active	45400	1990	Painted	Single Wall UST - Diesel
			Active	45400	1988	Painted	Single Wall UST - Fuel Oil
			Active	45400	1988	Painted	Single Wall UST - Diesel
			Active	45400	1990	Painted	Single Wall UST - Diesel
			Active	45400	1988	Painted	Single Wall UST - Diesel
			Active	45400	1990	Painted	Single Wall UST - Diesel
			Active	45400	1988	Painted	Single Wall UST - Fuel Oil
FST-7	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V 6H1			June 2010	Retail Fuel Outlet	FS BULK PLANT (MEDIUM)
			<u>Status</u>	<u>Capacity (L)</u>	<u>Year of Installation</u>	<u>Corrosion Protection</u>	<u>Tank Fuel Type</u>
			Active	45400	1988	Painted	Single Wall UST - Diesel
			Active	45400	1988	Painted	Single Wall UST - Fuel Oil
			Active	45400	1990	Painted	Single Wall UST - Diesel

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	MAYES-MARTIN LIMITED	SHELL CANADA - SUPPLIER 609 WEST ST., SOUTH ORILLIA L3V 5H7	5111 Generator #: Approval Yrs:	PETROLEUM PROD., WH. ON0005135 98	221	LIGHT FUELS
GEN-2	MAYES-MARTIN LTD. 25-334	SHELL CANADA - SUPPLIER 609 WEST ST., SOUTH ORILLIA L3V 5H7	5111 Generator #: Approval Yrs:	PETROLEUM PROD., WH. ON0005135 92,93,94,95,96,97	221	LIGHT FUELS
GEN-3	MAYES-MARTIN LTD.	SHELL CANADA - SUPPLIER 609 WEST ST., SOUTH ORILLIA L3V 5H7	5111 Generator #: Approval Yrs:	PETROLEUM PROD., WH. ON0005135 86,87,88,89,90	221	LIGHT FUELS
GEN-4	1035139 ONTARIO LIMITED	14 KITCHENER STREET ORILLIA L3C 6K2	6351 Generator #: Approval Yrs:	GARAGES(GEN. REPAIR) ON2496400 99,00,01	252	WASTE OILS & LUBRICANTS
GEN-5	DOUG ROE ENTERPRISES LTD. 12-527	O/A MID ONTARIO DISPOSAL 24 KITCHENER ST. C/O 377 BREWERY LANE ORILLIA L3V 6Z9	4569 Generator #: Approval Yrs:	OTHER TRUCK./TRANS. ON1378800 94,95,96	252	WASTE OILS & LUBRICANTS
GEN-6	DOUG ROE ENTERPRISES LTD	24 KITCHENER STREET ORILLIA L3V 6Z9	4569 Generator #: Approval Yrs:	OTHER TRUCK./TRANS. ON1378800 92,93,97,98	252	WASTE OILS & LUBRICANTS
GEN-7	DOUG ROE ENTERPRISES	24 KITCHENER STREET ORILLIA L3V 6Z9	 Generator #: Approval Yrs:	 ON1378800 As of Oct 2010	251 252	Waste oils/sludges (petroleum based) Waste crankcase oils and lubricants
GEN-8	CENTRAL DISPOSAL SERVICE 08-270	24 KITCHENER ST. ORILLIA L3V 6Z9	4569 Generator #: Approval Yrs:	OTHER TRUCK./TRANS. ON0714500 92,93,94,95,96,97,98	213	PETROLEUM DISTILLATES
GEN-9	DOUG ROE ENTERPRISES LTD.	24 KITCHENER STREET C/O 377 BREWERY LAND ORILLIA L3V 6Z9	4569 Generator #: Approval Yrs:	OTHER TRUCK./TRANS. ON1378800 90	252	WASTE OILS & LUBRICANTS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-10	CENTRAL DISPOSAL SERVICE	24 KITCHENER ST. ORILLIA L3V 6Z9	4569	OTHER TRUCK./TRANS.	213	PETROLEUM DISTILLATES
			Generator #:	ON0714500		
			Approval Yrs:	86,87,88,89,90		
GEN-11	MID ONTARIO DISPOSAL	24 KITCHENER STREET ORILLIA L3V 6Z9	4569	OTHER TRUCK./TRANS.	252	WASTE OILS & LUBRICANTS
			Generator #:	ON1378800		
			Approval Yrs:	99,00,01		
GEN-12	DOUG ROE ENTERPRISES	24 KITCHENER STREET ORILLIA L3V 6Z9			251	OIL SKIMMINGS & SLUDGES
			Generator #:	ON1378800	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	02,03,04,05,06,07,08		
GEN-13	TEXACO CANADA INC	32 KITCHENER STREET ORILLIA L3V 6Z9	5111	PETROLEUM PROD., WH.	221	LIGHT FUELS
			Generator #:	ON0005228		
			Approval Yrs:	98		
GEN-14	TEXACO CANADA INC. 37-098	32 KITCHENER STREET ORILLIA L3V 6Z9	5111	PETROLEUM PROD., WH.	221	LIGHT FUELS
			Generator #:	ON0005228		
			Approval Yrs:	92,93,94,95,96,97		
GEN-15	TEXACO CANADA INC.	32 KITCHENER STREET ORILLIA L3V 6Z9	5111	PETROLEUM PROD., WH.	221	LIGHT FUELS
			Generator #:	ON0005228		
			Approval Yrs:	86,87,88,89,90		
GEN-16	Astek Composites Inc.	32 Kitchener St., Unit 2 Orillia L3V 6Z9	325510	Paint and Coating Manufacturing	232	POLYMERIC RESINS
			Generator #:	ON4850018		
			Approval Yrs:	07,08		
GEN-17	Orillia Tool and CNC	32 Kitchener Street Orillia L3V 6Z9	332710	Machine Shops		
			Generator #:	ON7379855		
			Approval Yrs:	04		
GEN-18	BROCKWORTH INDUSTRIES LIMITED	34 KITCHENER STREET ORILLIA L3V 6Z9	3053	INDUSTRIAL FASTENER	213	PETROLEUM DISTILLATES
			Generator #:	ON0702300	253	EMULSIFIED OILS
			Approval Yrs:	99,00,01		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-19	BROCKWORTH INDUSTRIES 06-203	34 KITCHENER ST. ORILLIA L3V 6Z9	3053	INDUSTRIAL FASTENER	213	PETROLEUM DISTILLATES
					253	EMULSIFIED OILS
GEN-20	BROCKWORTH INDUSTRIES	34 KITCHENER STREET ORILLIA L3V 6Z9	3053	INDUSTRIAL FASTENER	253	EMULSIFIED OILS
					213	PETROLEUM DISTILLATES
GEN-21	BROCKWORTH INDUSTRIES	34 KITCHENER ST. ORILLIA L3V 6Z9	3053	INDUSTRIAL FASTENER	213	PETROLEUM DISTILLATES
					253	EMULSIFIED OILS
GEN-22	ORILLIA, CORPORATION OF THE CITY OF	ORILLIA WASTE DIVERSION SITE 100 KITCHENER STREET ORILLIA L3V 6Z9				
					112	ACID WASTE - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					222	HEAVY FUELS
					261	PHARMACEUTICALS
					269	NON-HALOGENATED PESTICIDES
					145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					241	HALOGENATED SOLVENTS
					242	HALOGENATED PESTICIDES
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-23	ORILLIA, CORP. OF THE CITY OF	ORILLIA SANITARY LANDFILL SITE 100 KITCHENER ST. ORILLIA L3V 6J1	8375	REGION. PLAN./ DEV. Generator #: ON0906901 Approval Yrs: 90	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					222	HEAVY FUELS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					331	WASTE COMPRESSED GASES
GEN-24	ORILLIA, CORP. OF THE CITY OF	ORILLIA SANITARY LANDFILL SITE 100 KITCHENER STREET ORILLIA	4999	OTHER UTILITY IND. Generator #: ON0906901 Approval Yrs: 97,98	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					222	HEAVY FUELS
					241	HALOGENATED SOLVENTS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-25	ORILLIA, CORPORATION OF THE CITY OF	ORILLIA SANITARY LANDFILL SITE 100 KITCHENER STREET ORILLIA	4999	OTHER UTILITY IND.	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					222	HEAVY FUELS
					241	HALOGENATED SOLVENTS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					331	WASTE COMPRESSED GASES
GEN-26	ORILLIA, CORP. OF THE CITY OF 29-516	ORILLIA SANITARY LANDFILL SITE 100 KITCHENER STREET ORILLIA	4999	OTHER UTILITY IND.	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					222	HEAVY FUELS
					241	HALOGENATED SOLVENTS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-27	ORILLIA, CORPORATION OF THE CITY OF Public Works Dept	ORILLIA WASTE DIVERSION SITE 100 KITCHENER STREET ORILLIA L3V 6Z9	Generator #: ON0906901 Approval Yrs: As of Oct 2010		112	Acid solutions - containing heavy metals
					121	Alkaline slutions - containing heavy metals
					145	Wastes from the use of pigments, coatings and paints
					146	Other specified inorganic sludges, slurries or solids
					147	Chemical fertilizer wastes
					148	Misc. wastes and inorganic chemicals
					212	Aliphatic solvents and residues
					213	Petroleum distillates
					221	Light fuels
					242	Halogenated pesticides and herbicides
					243	PCB
					252	Waste crankcase oils and lubricants
					261	Pharmaceuticals
					263	Misc. waste organic chemicals
					312	Pathological wastes
					331	Waste compressed gases including cylinders
GEN-28	HURONIA MACHINING SERVICES	45 UNITED DRIVE ORILLIA L3V 6H1	Generator #: ON4672644 Approval Yrs: As of Oct 2010		253	Emulsified oils
GEN-29	HURONIA MACHINING SERVICES	45 UNITED DRIVE ORILLIA L3V 6H1	Generator #: ON4672644 Approval Yrs: 02,03,04,06,07,08		253	EMULSIFIED OILS
GEN-30	UCO PETROLEUM INC. 39-177	500 MEMORIAL AVENUE, ORILLIA C/O 5600 CANCROSS CT.,P.O.BOX7030,STNA MISSISSAUGA L5B 2N6	5111	PETROLEUM PROD., WH.	213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
			Generator #: ON1446915 Approval Yrs: 94,95			

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-31	UPI INC.	39-177 500 MEMORIAL AVENUE ORILLIA L3V 6H8	5111	PETROLEUM PROD., WH.	213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
			Generator #:	ON1446915		
			Approval Yrs:	92,93,96,97,98		
GEN-32	UNITED CO-OPERATIVES OF ONTARIO	500 MEMORIAL AVE. ORILLIA L3V 6K4	5111	PETROLEUM PROD., WH.	213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
			Generator #:	ON0178423		
			Approval Yrs:	86,87,88,89,90		
GEN-33	UPI ENERGY LP	500 MEMORIAL AVENUE ORILLIA L3V 6H8	447190	Other Gasoline Stations	213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
			Generator #:	ON1446915		
			Approval Yrs:	04,06		
GEN-34	UNITED CO(SEE&USE ON1446915) 39-177	500 MEMORIAL AVE. ORILLIA L3V 6K4	5111	PETROLEUM PROD., WH.		
			Generator #:	ON0178423		
			Approval Yrs:	92,93,94,95,96,97		
GEN-35	UNITED CO-OPERATIVES (SEE&USE ON1446915)	500 MEMORIAL AVENUE ORILLIA L3V 6K4	5111	PETROLEUM PROD., WH.		
			Generator #:	ON0178423		
			Approval Yrs:	98		
GEN-36	UPI INC.	500 MEMORIAL AVENUE ORILLIA L3V 6H8	5111	PETROLEUM PROD., WH.	213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
			Generator #:	ON1446915		
			Approval Yrs:	99,00,01,02,03		
GEN-37	GRANCO FUEL TERMINALS INC. 16-237	35 UNITED DRIVE P.O. BOX 366 ORILLIA L3V 6H1	3611	REFINED PETRO. PROD.	221	LIGHT FUELS
			Generator #:	ON1118000		
			Approval Yrs:	94,95,96		
GEN-38	GRANCO FUEL TERMINALS INCORPORATED	35 UNITED DRIVE ORILLIA L3V 6J9	3611	REFINED PETRO. PROD.	221	LIGHT FUELS
			Generator #:	ON1118000		
			Approval Yrs:	99,00,01,02,03,04,05		
GEN-39	GRANCO FUEL TERMINALS INCORPORATED	35 UNITED DRIVE P.O. BOX 366 ORILLIA L3V 6H1	412110	Petroleum Product Wholesaler-Distributors	221	LIGHT FUELS
			Generator #:	ON1118000		
			Approval Yrs:	06,07,08		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-40	GRANCO FUEL TERMINALS INCORPORATED	35 UNITED DRIVE P.O. BOX 366 ORILLIA L3V 6H1	Generator #: ON1118000 Approval Yrs: As of Oct 2010		221	Light fuels
GEN-41	GRANCO FUEL TERMINALS INC.	35 UNITED DRIVE ORILLIA L3V 6J9	3611 Generator #: ON1118000 Approval Yrs: 92,93,97,98	REFINED PETRO. PROD.	221	LIGHT FUELS
GEN-42	GRANCO FUEL TERMINALS INC.	35 UNITED DRIVE P.O. BOX 366 ORILLIA L3V 6H1	3611 Generator #: ON1118000 Approval Yrs: 88,89	REFINED PETRO. PROD.	221	LIGHT FUELS
n/a	FAHRAMET LTD.	KITCHENER STREET ORILLIA L3V 6J1	0007 Generator #: ON0478600 Approval Yrs: 86,87,88,89,90	LETTER ACKNOWLEDG.	146	OTHER SPECIFIED INORGANICS
n/a	FAHRAMET LTD.	KITCHENER STREET KITCHENER STREET ORILLIA L3V 6J1	2911 Generator #: ON0478600 Approval Yrs: 92,93,97,98	FERRO-ALLOYS IND.	146	OTHER SPECIFIED INORGANICS
n/a	FAHRAMET LTD. 107	15- KITCHENER STREET ORILLIA L3V 6J1	2911 Generator #: ON0478600 Approval Yrs: 94,95,96	FERRO-ALLOYS IND.	146	OTHER SPECIFIED INORGANICS
n/a	FAHRAMET LIMITED	KITCHENER STREET ORILLIA L3V 6J1	2911 Generator #: ON0478600 Approval Yrs: 99,00,01	FERRO-ALLOYS IND.	146	OTHER SPECIFIED INORGANICS
n/a	ORILLIA WATER, LIGHT & POWER COMM.	WEST STREET SOUTH PL. 269 C/O P.O.BOX 398, 360 WEST ST. SOUTH ORILLIA L3V 6J9	9911 Generator #: ON0535401 Approval Yrs: 89	IND. MACH. RENTAL	122 251	ALKALINE WASTES - OTHER METALS OIL SKIMMINGS & SLUDGES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
n/a	ORILLIA WATER, LIGHT & POWER COMM.29-439	WEST STREET SOUTH PL. 269 C/O P.O.BOX 398, 360 WEST ST. SOUTH ORILLIA L3V 6J9	9911	IND. MACH. RENTAL	122	ALKALINE WASTES - OTHER METALS
			Generator #:	ON0535401	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	94,95,96		
n/a	R.H. STEWART CONSTRUCTION CO. LTD.	SHOP #5 PLAN 171, PART LOT 11 ORILLIA	0821	SAND & GRAVEL PITS	213	PETROLEUM DISTILLATES
			Generator #:	ON0682601		
			Approval Yrs:	99,00,01		

TSSA Historic Incidents

Map Key	Company	Address	External File Num	Date of Occurrence	Fuel Occurrence Type	Fuel Type Involved
HINC-1		40 KITCHENER STREET ORILLIA	FS INC 0802-00635	2/4/2008	Vapour Release	Other Hydrocarbon Fuel
			Status Desc: Completed - No Action Required Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Other-Specify Service Interruptions: No Property Damage: No Fuel Life Cycle Stage: Other-specify Root Cause: Reported Details: Orillia WWTC Fuel Category: Gaseous Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Simcoe Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:			
HINC-2		580 WEST STREET SOUTH, Unit # 65 ORILLIA L3V 6L8	FS INC 0804-01447	4/5/2008	Leak	Fuel Oil
			Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Multi-unit Residential Service Interruptions: No Property Damage: No Fuel Life Cycle Stage: Utilization Root Cause: Root Cause: Equipment/Material/Component:Yes Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes Reported Details: Trailer Park Fuel Category: Liquid Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Simcoe Approx. Quant. Rel: 400 Nearby body of water: No Enter Drainage Syst.: Unknown Approx. Quant. Unit: Liters Environmental Impact: oil has left trailer lot but still contained within boundaries of park.			

Landfill Inventory Management Ontario

Map Key	Company	Address	C of A Number	Operation Status:	C of A Issue Date:
LIMO-1	The Corporation of the City of Orillia	100 Kitchener Street; Lot 11-12, Conc 4 City of Orillia	A250601 Site Name MOE Region: MOE District: C of A Issued to: Landfill Type: Site County: Total Site Area: Footprint: Total Approved Capac: Fill Rate: Service Area: Contam. Atten. Zone: Approved Waste Type: Air Emmis. Monitor: Groundwater Monitor: Surf. Water Monitor: Landfill Gas Monitor: Natural Attenuation: Liners: Cover Material: Leachate Off Site: Leachate On Site: Landfill Gas Manag.(P) Landfill Gas Manag.(F): Landfill Gas Manag.(E) Financial Assurance: Req Coll. Landfill Gas: Landfill Gas Collected: Est Remain Capac(ERC ERC Date Last Determ. ERC Methodology: Total Waste Rec.(TWR) TWR Methodology: Last Reporting Year:	Closed	
			Kitchener Street Landfill Site (Orillia)		

National Analysis of Trends in Emergencies System (NATES)

Map Key	Company	Address	File No.	Spill Date	Lead Agency	DOE on Scene	Reported By
n/a	TEXACO	OROTWP	MOE83406	830808			Province
			Material Reaction: Basin: St. Lawrence River Drainage Air: Land: Y Fresh Water: Ground Water: Salt Water: Other Environment: Waterbody: Cause: Overflow Reason: Error Source: Service Station Sector: Petroleum Ship No.: Ship Name: Clean Up By: shared Disposal Method: unknown Recovery %: 100.00 Act Invoked: Unknown 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: gasoline Amount (ton): 0.96 Volume (L): Concentration: Phase: Additional Info:				

National Environmental Emergencies System (NEES)

Map Key	Company	Address	Incident Date	Contaminant
NEES-1	GRANCO FUELS	ORILLIA CITY	4/14/89	PETROLEUMS
			Amount:	0
			Units:	Other
			Quantity:	
			Cause:	Other
			Source:	
			Reason:	
			Sector:	Petroleum
n/a	TEXACO	ORILLIA TWP.	1/25/88	GASOLINE
			Amount:	0
			Units:	Underground Tank Leak
			Quantity:	
			Cause:	Equipment Failure
			Source:	Service Station
			Reason:	
			Sector:	Petroleum
n/a	CP BULK SYSTEMS	ORILLIA CITY	4/28/88	DIESEL FUEL
			Amount:	0
			Units:	Overturn
			Quantity:	
			Cause:	Unknown
			Source:	Tank Truck
			Reason:	
			Sector:	Transportation
n/a	CP BULK SYSTEMS	ORILLIA CITY	4/28/88	GASOLINE
			Amount:	0
			Units:	Overturn
			Quantity:	
			Cause:	Unknown
			Source:	Tank Truck
			Reason:	
			Sector:	Transportation

National Environmental Emergencies System (NEES)

Map Key	Company	Address	Incident Date	Contaminant
n/a	CP BULK SYSTEMS	ORILLIA CITY	4/28/88	HEATING OIL
			Amount:	0
			Units:	Overturn
			Quantity:	
			Cause:	Unknown
			Source:	Tank Truck
			Reason:	
			Sector:	Transportation
n/a	TEXACO	OROTWP	8/8/83	gasoline
			Amount:	0.96
			Units:	Tonnes (Metric)
			Quantity:	
			Cause:	Overflow
			Source:	Service Station
			Reason:	Error
			Sector:	Petroleum

Pesticide Register

Map Key	Company	Address	Licence No.	Licence Type
PES-1	829622 ONTARIO LIMITED	14 KORLEA CRESCENT ORILLIA L3V 7K3		Operator
PES-2	PROCUT PROPERTY MAINTENANCE	14 KORLEA CRESCENT ORILLIA L3V 7K3		Operator
PES-3	TSC STORES L.P.	500 MEMORIAL AVE ORILLIA L3V6H1		Vendor
PES-4	SIMCOE DISTRICT CO- OPERATIVE (C#90220 - 02/2003)	500 MEMORIAL AVE ORILLIA L3V 6G8	22-01-01320-0	General Vendor
PES-5	UNITED COOPERATIVES OF ONTARIO	500 MEMORIAL AVE ORILLIA L3V 6G8		Vendor
PES-6	SIMCOE DISTRICT CO- OPERATIVE (V 23702 - 01/2008)	500 MEMORIAL AVE, PO BOX 536 ORILLIA L3V6K2		General Vendor

Private and Retail Fuel Storage Tanks

Map Key	Company	Address	Location ID	Type	Expiry Date	Capacity (L)	Licence #
PRT-1	MAYES MARTIN LTD	609 WEST ST S ORILLIA L3V 5H7	10609	retail	1995-05-31	240600	0030085001
PRT-2		500 MEMORIAL AV. ORILLIA	10588	retail			
PRT-3	UCO PETROLEUM INC C/O TRISHA FREEMAN	500 MEMORIAL AV ORILLIA	10600	retail	1993-12-31	0	0024052001
PRT-4	UCO PETROLEUM INC C/O SHIRLEY WONNELL	500 MEMORIAL AV ORILLIA	10600	retail	1996-02-28	122500	0048894001
PRT-5	UCO PETROLEUM INC C/O TRISHA FREEMAN	500 MEMORIAL AV ORILLIA	10600	retail	1994-05-31	2000	0028336016
PRT-6	UCO PETROLEUM INC C/O RAYMOND BRENNEMAN	500 MEMORIAL AV ORILLIA	10600	retail	1994-10-31	2000	0076394188
PRT-7	UCO PETROLEUM INC C/O TRISHA FREEMAN	500 MEMORIAL AV ORILLIA	10600	retail	1993-11-30	2000	0076377241
PRT-8	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V6H1	10603	retail	1995-11-30	317800	0030132001
n/a	ARCHIE DENNE	HWY 12 RR 2 ORILLIA L3V6H2	19553	retail	1993-01-31	1000	0076346857

Ontario Regulation 347 Waste Receivers Summary

Map Key	Company	Address	Receiver #:	Facility Type	Waste Code	Waste Description
REC-1	ORILLIA, CITY OF	WATER POLLUTION CONTROL PLANT 40 KITCHENER STREET ORILLIA L3V 6Z9	W120569 Approval Yrs:	WATER POLLUTION CONTROL PLANT 98,99,00,01,02,03,04,05,06 ,07,08	146	OTHER SPECIFIED INORGANICS

Retail Fuel Storage Tanks

Map Key	Company	Address	Facility	Description
RST-1	MAYES-MARTIN LTD	609 WEST ST S ORILLIA L3V 5H7	Oils-Fuel	Petroleum Products, Wholesale
RST-2	SIMCOE DISTRICT CO- OPERATIVE SERVICES- ORILLIA	MEMORIAL PO BOX 500 STN MAIN ORILLIA L3V 6K2	Propane Gas-Tanks & Refilling	
RST-3	SIMCOE DISTRICT CO- OPERATIVE SERVICES- ORILLIA	MEMORIAL PO BOX 500 STN MAIN ORILLIA L3V 6K2	Propane Gas	
RST-4	CO-OP GAS BAR	MEMORIAL PO BOX 500 STN MAIN ORILLIA L3V6K2	Service Stations-Gasoline, Oil & Natural Gas	
RST-5	GRANT'S FUEL PLUS	35 UNITED DR ORILLIA L3V 6H1	OILS-FUEL	
RST-6	GRANCO FUEL TERMINALS INC	35 UNITED DR ORILLIA L3V6H1	Oils-Petroleum	
RST-7	GRANT'S HEATING LIMITED	35 UNITED DR ORILLIA L3V 6H1	Oils-Fuel	Petroleum Products, Wholesale
RST-8	SUNSHINE CAR CARE	1 UNITED DR ORILLIA L3V 6H1	Oil Changes & Lubrication Service	
n/a	STARPORT LANDING	HWY 12 S ORILLIA L3V 6H7	MARINAS	
n/a	STARPORT MARINA INC	HWY 12 S ORILLIA L3V6H7	MARINAS	

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-1	ELITE AWARDS & GIFTS	601 West St S Orillia L3V 5H7	1961	8000	22	321920	Wood Container and Pallet Manufacturing
						321999	All Other Miscellaneous Wood Product Manufacturing
						326198	All Other Plastic Product Manufacturing
						332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
						339990	All Other Miscellaneous Manufacturing
SCT-2	TROPHY WOOD MANUFACTURERS	601 WEST ST S ORILLIA L3V 5H7	1961	8000	18	2441	NAILED AND LOCK CORNER WOOD BOXES AND SHOOK
						2499	WOOD PRODUCTS, NOT ELSEWHERE CLASSIFIED
						3299	NONMETALLIC MINERAL PRODUCTS, NOT ELSEWHERE CLASSIFIED
						3999	MANUFACTURING INDUSTRIES, NOT ELSEWHERE CLASSIFIED
SCT-3	Elite Awards & Gifts Ltd.	601 West St S Orillia L3V 5H7	01-JUL-61	9000		323119	Other Printing
						339990	All Other Miscellaneous Manufacturing
						321999	All Other Miscellaneous Wood Product Manufacturing
						332810	Coating, Engraving, Heat Treating and Allied Activities
						321920	Wood Container and Pallet Manufacturing
						321999	All Other Miscellaneous Wood Product Manufacturing
SCT-5	ORILLIA FORM & FABRICATING INC	26 KITCHENER ST ORILLIA L3V 6Z9	1992	0	6	3443	FABRICATED PLATE WORK (BOILER SHOPS)
						3444	SHEET METAL WORK

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-6	ORILLIA FORM AND FABRICATING	26 Kitchener St Orillia L3V 6Z9	1992	0	6	332319	Other Plate Work and Fabricated Structural Product Manufacturing
						332329	Other Ornamental and Architectural Metal Products Manufacturing
SCT-7	ONTARIO RECYCLERS (ORILLIA)	30 KITCHENER ST ORILLIA L3V 6Z9	1996	10000	4	2952	ASPHALT FELTS AND COATINGS
						3299	NONMETALLIC MINERAL PRODUCTS, NOT ELSEWHERE CLASSIFIED
SCT-8	Astek Composites Inc.	32 Kitchener St Unit 2 Orillia L3V 6Z9	1999	3000		325510	Paint and Coating Manufacturing
						325999	All Other Miscellaneous Chemical Product Manufacturing
SCT-9	BROCKWORTH INDUSTRIES LIMITED	34 KITCHENER ST ORILLIA L3V 6Z9	1952	8500	25	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
						339990	All Other Miscellaneous Manufacturing
						3451	SCREW MACHINE PRODUCTS
SCT-10	Huron Machine Services	45 United Dr Orillia L3V 6H1	01-AUG-89	5000		332710	Machine Shops
						333519	Other Metalworking Machinery Manufacturing
						332710	Machine Shops
SCT-11	HURONIA MACHINE SERVICES	45 UNITED AVE RR 1 ORILLIA L3V 6H1	1989	5000	20	332710	Machine Shops
						333519	Other Metalworking Machinery Manufacturing
SCT-12	HURONIA TOOL & MACHINE	45 UNITED DR ORILLIA L3V 6H1	1989	5000	10	3544	SPECIAL DIES AND TOOLS, DIE SETS, JIGS AND FIXTURES, AND INDUSTRIAL MOLDS
						3599	INDUSTRIAL AND COMMERCIAL MACHINERY AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-1	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	8272-8JJKEU	7/7/2011	7/7/2011	SEWAGE,PRIMARY UNCHLORINATED	500 m³
				Incident Summary: BP:Orillia WWTC, partially trt, no chl, no UV to L Simcoe Incident Cause: Discharge Or Bypass To A Watercourse Incident Reason: Nature of Impact: Surface Water Pollution Receiving Medium: Environmental Impact: Confirmed			
SPL-2	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	1565-8L7KST	8/29/2011	8/29/2011	METHANE GAS	
				Incident Summary: Methane Gas to Atm, Orillia Wastewater Treatment Plant Incident Cause: Discharge or Emission to Air Incident Reason: Equipment Failure - Malfunction of system components Nature of Impact: Air Pollution Receiving Medium: Environmental Impact: Confirmed			
SPL-3	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	4705-8HTGEK	6/14/2011	6/14/2011	SEWAGE,SECONDARY UNCHLORINATED	
				Incident Summary: Orillia WWTP: no UV disinfection due to pwr fail Incident Cause: Incident Reason: Nature of Impact: Surface Water Pollution Receiving Medium: Environmental Impact: Confirmed			
SPL-4	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	6151-8HMQ3T	6/8/2011	6/8/2011	SEWAGE,SECONDARY UNCHLORINATED	974 m³
				Incident Summary: Orillia WWTP: secondary bypass to Lake Simcoe, ongoing Incident Cause: Discharge Or Bypass To A Watercourse Incident Reason: Power Interruption - Loss of electrical power Nature of Impact: Surface Water Pollution Receiving Medium: Environmental Impact:			
SPL-5	The Corporation of the City of Orillia	40 Kitchener St Orillia	2206-88YQW3		9/4/2010	SEWAGE,FINAL EFFLUENT NO UV DISINFECTION	0 other - see incident description
				Incident Summary: Orillia WWTP: final effl, no UV disinf L Simcoe pwr outage Incident Cause: Discharge Or Bypass To A Watercourse Incident Reason: Power Interruption - Loss of electrical power Nature of Impact: Surface Water Pollution Receiving Medium: Environmental Impact: Confirmed			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-6	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	8157-82CSCB		2/4/2010	DIGESTER GAS	
			Incident Summary:	City of Orillia - digester gas to atm			
			Incident Cause:	Discharge or Emission to Air			
			Incident Reason:	Other - Reason not otherwise defined			
			Nature of Impact:	Air Pollution			
			Receiving Medium:				
			Environmental Impact:	Not Anticipated			
SPL-7	The Corporation of the City of Orillia	40 Kitchener St Orillia	4126-7V52SA		8/20/2009	SEWAGE,SECONDARY UNCHLORINATED	
			Incident Summary:	BP: Orillia WWTC:Final effluent (sec. non trtd) to L. Simcoe			
			Incident Cause:	Discharge Or Bypass To A Watercourse			
			Incident Reason:	Spill			
			Nature of Impact:	Surface Water Pollution			
			Receiving Medium:				
			Environmental Impact:	Confirmed			
SPL-8	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	7822- 7VYKKN		9/17/2009	SEWAGE,SECONDARY CHLORINATED	667 m3
			Incident Summary:	Orillia WWTC: secondary treated effluent to L. Simcoe			
			Incident Cause:	Discharge Or Bypass To A Watercourse			
			Incident Reason:	Power Interruption - Loss of electrical power			
			Nature of Impact:	Surface Water Pollution			
			Receiving Medium:				
			Environmental Impact:	Confirmed			
SPL-9	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	5224-7GFH2J		7/11/2008	SLUDGE (N.O.S.)	500 L
			Incident Summary:	Orillia WWTP:500 L sludge spill, cleaning, digester overflow			
			Incident Cause:	Other Discharges			
			Incident Reason:	Material Failure - Poor design or substandard materials			
			Nature of Impact:	Human Health/Safety; Soil Contamination			
			Receiving Medium:				
			Environmental Impact:	Confirmed			
SPL-10	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	8118-7DTLEP		4/18/2008	SEWAGE,SECONDARY UNCHLORINATED	1330 m3
			Incident Summary:	Orillia WWTC: 1330 m3 non-disinfect effluent to Lake Simcoe			
			Incident Cause:	Discharge Or Bypass To A Watercourse			
			Incident Reason:	Equipment Failure			
			Nature of Impact:	Surface Water Pollution			
			Receiving Medium:				
			Environmental Impact:	Possible			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-11	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	3404-7CUP34		3/18/2008	SEWAGE,SECONDARY UNCHLORINATED	500 m3
			Incident Summary: Orillia WWTP;effluent bypassed UV treatment;power failure				
			Incident Cause: Discharge Or Bypass To A Watercourse				
			Incident Reason: Equipment Failure				
			Nature of Impact: Surface Water Pollution				
			Receiving Medium:				
			Environmental Impact: Possible				
SPL-12	The Corporation of the City of Orillia	40 Kitchener St Orillia L3V 6Z9	4822-7BJLR6		2/5/2008	DIGESTER GAS	30 min (duration)
			Incident Summary: Orillia WWTC: Anaerobic Digester Gas to atm				
			Incident Cause: Process Upset				
			Incident Reason: Process upset				
			Nature of Impact: Air Pollution				
			Receiving Medium:				
			Environmental Impact: Confirmed				
SPL-13	PRIVATE RESIDENCE	580 WEST STREET SOUTH, UNIT 79. FURNACE OIL TANK ORILLIA CITY L3V 6L8	88993	//	7/27/1993		
			Incident Summary: PRIVATE RESIDENCE-FURNACEOIL TANK LEAK TO GROUND.				
			Incident Cause: UNDERGROUND TANK LEAK				
			Incident Reason: MATERIAL FAILURE				
			Nature of Impact: Soil contamination				
			Receiving Medium: LAND				
			Environmental Impact: CONFIRMED				
SPL-14		PARKSIDE ESTATES 580 WEST ST SOUTH.<UNOFFICIAL> Orillia L3V 6L8	1104-5LKTQV		4/13/2003	RAW SEWAGE	
			Incident Summary: Parkside Estates Trailer Homes-Sewage spill				
			Incident Cause:				
			Incident Reason:				
			Nature of Impact:				
			Receiving Medium: Land				
			Environmental Impact:				
SPL-15		Unit 65, 580 West St. South Orillia L3V 6L8	7751-7DEQUH		4/5/2008	FURNACE OIL	450 L
			Incident Summary: 580 West St. South - less than 500 L furnace oil to grd				
			Incident Cause: Tank (Above Ground) Leak				
			Incident Reason: Equipment Failure				
			Nature of Impact: Soil Contamination				
			Receiving Medium:				
			Environmental Impact: Confirmed				

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-16	ORILLIA PUC	LAKE SIMCOE ORILLIA WPCP KITCHENER STREET ORILLIA CITY	244322	11/25/2002	11/25/2002		
			Incident Summary:	WPCP - UNCHLORINATED EFFLUENT DISCHARGE DUE TO PROB ON CHLORINATOR.			
			Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:				
			Receiving Medium:	WATER			
			Environmental Impact:	NOT ANTICIPATED			
SPL-17	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET ORILLIA CITY	109861	2/7/1995	2/7/1995		
			Incident Summary:	ORILLIA WPCP- 90 MIN METHANE GAS TO ATM FROM DIGESTOR, FROZEN VALVE.			
			Incident Cause:	VALVE/FITTING LEAK OR FAILURE			
			Incident Reason:	ICE/FROST DAMAGE			
			Nature of Impact:	Air Pollution			
			Receiving Medium:	AIR			
			Environmental Impact:	POSSIBLE			
SPL-18	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET ORILLIA CITY	125014	4/16/1996	4/16/1996		
			Incident Summary:	ORILLIA WPCP-90 L DIESEL TO GND FROM STORAGE TANK.HOSE RUPTURE.TO BE CLEAND			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	OVERSTRESS/OVERPRESSURE			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	CONFIRMED			
SPL-19	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET ORILLIA CITY	26745	10/19/1989	10/19/1989		
			Incident Summary:	PUC - 169 M3 2NDARY SEWAGE BYPASS OVER 30 MINCHLORINE INCREASED.			
			Incident Cause:	VALVE/FITTING LEAK OR FAILURE			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:	Water course or lake			
			Receiving Medium:	WATER			
			Environmental Impact:	POSSIBLE			
SPL-20	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET ORILLIA CITY	53145	6/27/1991	6/27/1991		
			Incident Summary:	ORILLIA PUC: FAULTY VALVERELEASED DIGESTER GAS TO AIR			
			Incident Cause:	VALVE/FITTING LEAK OR FAILURE			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:	Other			
			Receiving Medium:	AIR			
			Environmental Impact:	POSSIBLE			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-21	ORILLIA PUC	ORILLIA WPCP ORILLIA WPCP KITCHENER STREET ORILLIA CITY	115075	6/29/1995	6/29/1995		
			Incident Summary:	ORILLIA WPCP:SEWAGE GRIT TO ROADWAY ON PLANT PROPERTY: CLEANED			
			Incident Cause:	UNKNOWN			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Other			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			
SPL-22	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET ORILLIA CITY	38538	7/31/1990	8/1/1990		
			Incident Summary:	ORILLIA PUC (WPCP): 2 MILLION LITRE SEWAGE BYPASS			
			Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:	Water course or lake			
			Receiving Medium:	WATER			
			Environmental Impact:	POSSIBLE			
SPL-23	ORILLIA PUC	LAKE SIMCOE ORILLIA WPCP KITCHENER STREET ORILLIA CITY	38648	8/2/1990	8/2/1990		
			Incident Summary:	WPCP -SECONDARY SEWAGE BYPASS (CHLORINATED) DUE TO EQUIPMENT FAILURE.			
			Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:				
			Receiving Medium:	WATER			
			Environmental Impact:	NOT ANTICIPATED			
SPL-24	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET ORILLIA CITY	19863	6/7/1989	6/7/1989		
			Incident Summary:	ORILLIA SECONDARY SEWAGE SPILL, 15000 GAL			
			Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE			
			Incident Reason:	OTHER			
			Nature of Impact:				
			Receiving Medium:	WATER			
			Environmental Impact:				
SPL-25	ORILLIA PUC	ORILLIA WPCP KITCHENER STREET ORILLIA CITY	23605	8/14/1989	8/14/1989		
			Incident Summary:	ORILLIA WTP - 45,000 L OF SEWAGE BYPASSED TO LAKE SIMCOE.			
			Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:				
			Receiving Medium:	WATER			
			Environmental Impact:	NOT ANTICIPATED			

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Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-31	UNITED CO-OP	AT UNITED CO-OP AT 500 MEMORIAL DRIVE CHESLEY BULK PLANT ORILLIA CITY	78919	11/17/1992	11/17/1992		
			Incident Summary: UNITED CO-OP - 50 L OF OF DIESEL FUEL TO CEMENT FROM FAULTY NOZZLE. Incident Cause: PIPE/HOSE LEAK Incident Reason: EQUIPMENT FAILURE Nature of Impact: Receiving Medium: LAND Environmental Impact: NOT ANTICIPATED				
SPL-32	Granco Fuel Terminals<UNOFFICIAL>	35 United Drive Orillia L3V 6H1	8806-5N9LEQ	6/5/2003	6/6/2003	DIESEL FUEL	910 L
			Incident Summary: Granco Fuel - 200 gal of clear diesel Incident Cause: Tank (Above Ground) Leak Incident Reason: Error- Operator error Nature of Impact: Other Impact(s) Receiving Medium: Land Environmental Impact: Possible				
n/a	TRANSPORT TRUCK	HWY 12 NEAR PRICES CORNERS IN PARKING LOT OF FORMER RANCHERO RESTAURANT. MOTOR VEHICLE (OPERATING FLUID) ORO-MEDONTE TOWNSHIP	97085	3/6/1994	3/6/1994		
			Incident Summary: MCKEVITT TRUCKING LTD.- 10-20 L DIESEL TO ROADWAYCONTAINED,CLEANED. Incident Cause: OTHER CONTAINER LEAK Incident Reason: MATERIAL FAILURE Nature of Impact: Multi Media Pollution Receiving Medium: LAND Environmental Impact: POSSIBLE				
n/a	PRIVATE OWNER	MEMORIAL AVE/CO-OP DRIVE. MOTOR VEHICLE (OPERATING FLUID) ORILLIA CITY	111549	4/1/1995	4/1/1995		
			Incident Summary: PRIVATE OWNERS-4 L OPERA-TING FLUIDS TO GROUND,MVACLEANED UP BY FD. Incident Cause: OTHER TRANSPORTATION ACCIDENT Incident Reason: UNKNOWN Nature of Impact: Receiving Medium: LAND Environmental Impact: NOT ANTICIPATED				
n/a	TRANSPORT TRUCK	HWY #11 SOUTHBOUND, BETWEEN COLD WATER RD & WEST ST. MOTOR VEHICLE (OPERATING FLUID) ORILLIA CITY	111687	4/6/1995	4/6/1995		
			Incident Summary: POOLE TRUCKING - 225 L DIESEL TO HWY #11 FROM JACKNIFED TRUCK,FD, MTO. Incident Cause: OTHER TRANSPORTATION ACCIDENT Incident Reason: UNKNOWN Nature of Impact: Soil contamination Receiving Medium: LAND Environmental Impact: CONFIRMED				

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a	TRANSPORT TRUCK	FROM WEST ST NORTH UP TO REGENT ST. MOTOR VEHICLE (OPERATING FLUID) ORILLIA CITY	114541	6/16/1995	6/16/1995		
			Incident Summary:	HAMMOND TRANSPORT- 15 L DIESEL ALONG 4 KM FROM SCHOOL BUS, ERROR, WORKS.			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	ERROR			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			
n/a	CONSTRUCTION COMPANY	MEMORIAL AVENUE ORILLIA CITY	116999	8/10/1995	8/10/1995		
			Incident Summary:	PCL CONSTRUCTION: 90 L CALCIUM CHLORIDE TO PARKING LOT			
			Incident Cause:	ABOVE-GROUND TANK LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
n/a	PRIVATE OWNER	LAKE RAND INN PARKING LOT, MEMORIAL AVE MOTOR VEHICLE (OPERATING FLUID) ORILLIA CITY	118776	9/21/1995	9/21/1995		
			Incident Summary:	PRIVATE MOTOR VEHICLE-45LGAS TO PVMT.NO ENV IMPACT-CITY ORILLIA WD CLEANING			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	ERROR			
			Nature of Impact:				
			Receiving Medium:	LAND / AIR			
			Environmental Impact:	NOT ANTICIPATED			
n/a	UNKNOWN	MEMORIAL AVE. ORILLIA CITY	120208	10/30/1995	10/30/1995		
			Incident Summary:	SOURCE UNKNOWN-50 L GASO-LINE DUMPED ON PRIVATE PROPERTY,WORKS,CLEANED UP			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	INTENTIONAL/PLANNED			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	CONFIRMED			
n/a	UNKNOWN	HWY 12 THROUGH CITY ON BYPASS, OUT TOWARDS THERLEY ORILLIA CITY	1310	6/14/1988	6/14/1988		
			Incident Summary:	UNKNOWN MAT'L. ON HWY 12.			
			Incident Cause:	UNKNOWN			
			Incident Reason:	UNKNOWN			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:				

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a	DOLLAR SNACK BAR	CENTRAL DISPOSAL DUMPSTER LEASED BY DOLLAR SNACK BAR BEHIND RESTAURANT ORILLIA CITY	8464	8/22/1988	8/22/1988		
			Incident Summary:	DOLLAR SNACK BAR-SMALL QUANTITY OF OIL TO GROUND FROM DUMPSTER			
			Incident Cause:	OTHER CAUSE (N.O.S.)			
			Incident Reason:	OTHER			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
n/a	UNKNOWN	HWYS. 11&12, GILL ST. & WEST ST. ORILLIA CITY	10460	10/14/1988	10/14/1988		
			Incident Summary:	OPP -UNKNOWN OILY SUBSTANCE ON ROAD.			
			Incident Cause:	OTHER CAUSE (N.O.S.)			
			Incident Reason:	OTHER			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:				
n/a	UNKNOWN	KITCHENER ST. SANITARY LANDFILL SITE ORILLIA CITY	12304	11/29/1988	11/29/1988		
			Incident Summary:				
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:				
n/a	GRANCO FUELS	TANK TRUCK (CARGO) ORILLIA CITY	20389	4/14/1989	4/14/1989		
			Incident Summary:	BACKENTRY - GRANCO FUELS 20L OIL IN RAILWAY DITCH			
			Incident Cause:	OTHER CAUSE (N.O.S.)			
			Incident Reason:	OTHER			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
n/a	CONSUMERS' GAS CO. LTD., THE	12 CONC,MEDONTE & HWY 12 WEST NATURAL GAS PIPELINE ORO-MEDONTE TOWNSHIP	45400	1/5/1991	1/6/1991		
			Incident Summary:	CONSUMERS GAS-UG PIPELINE LEAK, VENTING TO AIR, NO REPAIR UNTILL MONDAY			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	ICE/FROST DAMAGE			
			Nature of Impact:	Air Pollution			
			Receiving Medium:	AIR			
			Environmental Impact:	POSSIBLE			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a	TRANSPORT TRUCK	HWY 12B & MEMORIAL AVE. MOTOR VEHICLE (OPERATING FLUID) ORILLIA CITY	53701	7/8/1991	7/8/1991		
			Incident Summary:	TRANSPORT TRUCK: DIESEL FUEL LEAK FROM SADDLE TANK			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	DAMAGE BY MOVING EQUIPMENT			
			Nature of Impact:	Soil Contamination			
			Receiving Medium:	LAND / WATER			
			Environmental Impact:	NOT ANTICIPATED			
n/a	MITCHELL FUELS	LOT 11, CON 6 SIMCOE TOWN	65564	//	12/26/1991		
			Incident Summary:	ELGIN MITCHELL: 15,000 M3NATURAL GAS TO ATM FROM PIPELINE LEAK.			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:	Air Pollution			
			Receiving Medium:	AIR			
			Environmental Impact:	CONFIRMED			
n/a	MOTOR VEHICLE	WEST ST. MOTOR VEHICLE (OPERATING FLUID) ORILLIA CITY	68374	3/23/1992	3/25/1992		
			Incident Summary:	MOTOR VEHICLE: 90L DIESELFUEL LEAK TO PARKING LOT			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
n/a	TRANSPORT TRUCK	HWY 12 AND ATHERLY RD MOTOR VEHICLE (OPERATING FLUID) ORILLIA CITY	85212	5/6/1993	5/7/1993		
			Incident Summary:	TRANSPORT TRUCK - 60 L OFDIESEL FUEL TO GROUND ANDDITCH			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	ERROR			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND / WATER			
			Environmental Impact:	CONFIRMED			
n/a	UNKNOWN	FROM PROPERTY AT MEMORIAL AVE. & PROGRESS DR. TO MILL CREEK. ORILLIA CITY	125374	4/22/1996	4/22/1996		
			Incident Summary:	PRIVATE PROPERTY: OIL SHEEN WASHING INTO CREEK,WORKS DEPT. BOOMED.			
			Incident Cause:	OTHER CAUSE (N.O.S.)			
			Incident Reason:	OTHER			
			Nature of Impact:	Water course or lake			
			Receiving Medium:	LAND / WATER			
			Environmental Impact:	POSSIBLE			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a	ONTARIO HYDRO	CONC 2, LOT 11, FIRE # 1279, ORO TWP. TRANSFORMER ORO-MEDONTE TOWNSHIP	158034	7/15/1998	7/16/1998		
			Incident Summary:		ONTARIO HYDRO-4 L TRANS-FORMER OIL ONTO SAND,WIND BLEW POLE, WILL CLEANUP.		
			Incident Cause:		COOLING SYSTEM LEAK		
			Incident Reason:		STORM/FLOOD/WIND		
			Nature of Impact:		Soil contamination		
			Receiving Medium:		LAND		
			Environmental Impact:		CONFIRMED		
n/a	MILLER PAVING	ATHERLY RD, CLOSE TO HWY 12 BY THE LEACOCK MUSEUM ORILLIA CITY	226611	5/29/2002	5/29/2002		
			Incident Summary:		MILLER PAVING (PETROLEUM) MVA: 30-40L DIESEL TO WET DITCH.		
			Incident Cause:		TRUCK/TRAILER OVERTURN		
			Incident Reason:		UNKNOWN		
			Nature of Impact:		Soil contamination		
			Receiving Medium:		LAND		
			Environmental Impact:		POSSIBLE		
n/a	RJM Truckline<UNOFFICIAL>	OFF OF HWY 12 BYPASS BETWEEN HWY 11 AND MEMORIAL AVE.<UNOFFICIAL> Orillia	8613-66EJ4T	11/4/2004	11/4/2004	HYDRAULIC OIL	25 L
			Incident Summary:		RJM Truckline,25 L hydraulic fluid to ditch,cln		
			Incident Cause:		Other Discharges		
			Incident Reason:				
			Nature of Impact:		Soil Contamination		
			Receiving Medium:		Land		
			Environmental Impact:		Possible		
n/a	Rumball Excavation & Haulage<UNOFFICIAL>	Between Memorial Dr. and Highway 12, near exit 131A NORTH BOUND- HIGHWAY 11<UNOFFICIAL> Orillia	1204- 6QZGSC	6/22/2006	6/22/2006	DIESEL FUEL	110 L
			Incident Summary:		MVA- saddle tank rupture - 25 gals to ditch - Hwy. 11		
			Incident Cause:		Other Transport Accident		
			Incident Reason:		Damage By Moving Equipment - Containers damaged by moving		
			Nature of Impact:		Soil Contamination		
			Receiving Medium:		Land		
			Environmental Impact:		Confirmed		
n/a	Peter Hay Trucking<UNOFFICIAL>	HWY 12 AND WEST RIDGE IN ORILLIA<UNOFFICIAL> Orillia	8235-6VEVPP	11/10/2006	11/10/2006	DIESEL FUEL	100 l
			Incident Summary:		Transport Truck(s)-100 L Diesel to Ditch,Contained,MVA.		
			Incident Cause:				
			Incident Reason:				
			Nature of Impact:		Soil Contamination		
			Receiving Medium:		Land		
			Environmental Impact:		Possible		

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a		385 Memorial Ave. Orillia L3V 6H1	6540- 7DWR7U		4/21/2008	DIESEL FUEL	200 L
			Incident Summary: Orillia: Diesel spill to ground Incident Cause: Other Discharges Incident Reason: Unknown - Reason not determined Nature of Impact: Other Kill; Soil Contamination; Surface Water Pollution Receiving Medium: Environmental Impact: Possible				
n/a	Mid Ontario Disposal<UNOFFICIAL>	514 Line 11 South<UNOFFICIAL>; 12 Cedarbrook Crescent<UNOFFICIAL> Oro-Medonte; Oro-Medonte	7823- 893QDM		9/7/2010	ORGANIC MATERIAL	other - see incident description
			Incident Summary: Mid Ontario Disposal Organics spill onto road - 3L total Incident Cause: Unknown Incident Reason: Spill Nature of Impact: Other Impact(s); Soil Contamination Receiving Medium: Environmental Impact: Not Anticipated				

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-1		MID ONTARIO DISPOSAL	, , ORILLIA
		Certificate No.: A252604	Mobile Units:
		Issue Date: 07/05/1999	Mobile Description:
		Status: Approved	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type:
		Lot: 12, Pt. of E. Half 24 Kitchener St., Orillia	Waste Type Other: No
			Waste Class:
		Region/County: SIMCOE	Other Approvals/Permits:
		Proponent: DOUG ROE ENTERPRISES LTD.	
		Address: 377 Brewery Lane	Project Description:
		City: Orillia, Ontario	
		Facility Type: Transfer Station, Processing	
		District Office: Barrie	
		Municipalities Served:	Approval Description:
		Total Area (ha): 0	
		Landfill Capacity (m³): 0	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A252604
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-2		Doug Roe Enterprises Limited	24 Kitchener St, , Orillia
		Certificate No.: A252604	Mobile Units:
		Issue Date: 12/13/2011	Mobile Description:
		Status: Approved	Mobile Capacity:
		Application Status:	Mobile Unit Cert. No.:
		Concession:	Waste Type:
		Lot:	Waste Type Other:
			Waste Class:
			Other Approvals/Permits:
		Region/County:	
		Proponent:	
			Project Description:
		Address:	
		City:	
		Facility Type:	
		District Office:	
		Municipalities Served:	Approval Description:
		Total Area (ha):	
		Landfill Capacity (m³):	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha)	Site Closing Description: A252604
		Transfer Capacity (m³):	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha):	
		Incinerator Capacity (t):	
		Processing Area (m³):	
		Processing Capacity (m³/d):	
		Processing Volume (m³):	
		Processing Feed (m³):	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-3		Doug Roe Enterprises Limited	24 Kitchener St, , Orillia
		Certificate No.: A252604	Mobile Units:
		Issue Date: 12/13/2011	Mobile Description:
		Status: Approved	Mobile Capacity:
		Application Status:	Mobile Unit Cert. No.:
		Concession:	Waste Type:
		Lot:	Waste Type Other:
			Waste Class:
		Region/County: Orillia	Other Approvals/Permits:
		Proponent:	
		Address:	Project Description:
		City:	
		Facility Type:	
		District Office:	
		Municipalities Served:	Approval Description:
		Total Area (ha):	
		Landfill Capacity (m³):	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha)	Site Closing Description: A252604
		Transfer Capacity (m³):	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha):	
		Incinerator Capacity (t):	
		Processing Area (m³):	
		Processing Capacity (m³/d):	
		Processing Volume (m³):	
		Processing Feed (m³):	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-4		Doug Roe Enterprises Limited	24 Kitchener Street , , Orillia
		Certificate No.: A252604	Mobile Units:
		Issue Date: 3/21/2006	Mobile Description:
		Status: Approved	Mobile Capacity:
		Application Status:	Mobile Unit Cert. No.:
		Concession:	Waste Type:
		Lot:	Waste Type Other:
			Waste Class:
			Other Approvals/Permits:
		Region/County:	
		Proponent:	
			Project Description:
		Address:	
		City:	
		Facility Type:	
		District Office:	
		Municipalities Served:	Approval Description:
		Total Area (ha):	
		Landfill Capacity (m³):	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha)	Site Closing Description: A252604
		Transfer Capacity (m³):	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha):	
		Incinerator Capacity (t):	
		Processing Area (m³):	
		Processing Capacity (m³/d):	
		Processing Volume (m³):	
		Processing Feed (m³):	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-5			30 Kitchener, , Orillia
		Certificate No.: A740139	Mobile Units:
		Issue Date: 1/30/2001	Mobile Description:
		Status: Approved	Mobile Capacity:
		Application Status: Revocation	Mobile Unit Cert. No.:
		Concession:	Waste Type:
		Lot:	Waste Type Other:
			Waste Class:
			Other Approvals/Permits:
		Region/County: County Of Simcoe	
		Proponent: Capital Environmental Resource Inc.	
			Project Description: Application to revoke Certificate of Approval A74039 to allow new tenants to access the property.
		Address: 1005 Skyview Drive	
		City: Burlington	
		Facility Type: Processing	
		District Office: Barrie	
		Municipalities Served: Province of Ontario	Approval Description:
		Total Area (ha): 0.5	
		Landfill Capacity (m³):	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha)	Site Closing Description: A740139
		Transfer Capacity (m³): 400	
		Transfer Sites Cert. No.: any MOE approved site and any site approved by its j	
		Incinerator Area (ha):	
		Incinerator Capacity (t):	
		Processing Area (m³):	
		Processing Capacity (m³/d):	
		Processing Volume (m³):	
		Processing Feed (m³):	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-6		CAPITAL ENVIRONMENTAL RESOURCE	30 KITCHENER STREET, , ORILLIA
		Certificate No.: A740139	Mobile Units:
		Issue Date: 06/03/1999	Mobile Description:
		Status: Approved	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type:
		Lot:	Waste Type Other: No
			Waste Class:
			Other Approvals/Permits:
		Region/County: SIMCOE	
		Proponent: CAPITAL ENVIRONMENTAL RESOURCE	
			Project Description:
		Address: 1005 SKYVIEW DRIVE	
		City: BURLINGTON, ONTARIO	
		Facility Type: Transfer Station, Processing	
		District Office: Barrie	
		Municipalities Served:	Approval Description:
		Total Area (ha): 0	
		Landfill Capacity (m³): 0	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A740139
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-7			100 Kitchener Street, Lots 11 & 12, Conc. 4, Orillia
		Certificate No.: A252606 Issue Date: 7/25/2001 Status: Approved Application Status: Notice Concession: 4 Lot: 11-12	Mobile Units: Mobile Description: Mobile Capacity: Mobile Unit Cert. No.: Waste Type: Waste Type Other: Waste Class: Other Approvals/Permits:
		Region/County: County Of Simcoe Proponent: Corporation of the City of Orillia	
		Address: 50 Andrew Street South, 3rd Floor City: Orillia Facility Type: Processing District Office: Barrie Municipalities Served: City of Orillia	Project Description: This application is for replacing the words "fruit and vegetable wastes" with the words "organic food wastes" in the existing certificate of approval for a windrow composting facility at the Kitchener Street Landfill Site. Approval Description:
		Total Area (ha): 40 Landfill Capacity (m³): Landfill Monitoring: Landfill Control Type: Est. Closure Date: Transfer Area (ha) Transfer Capacity (m³): 200 Transfer Sites Cert. No.: N/A Incinerator Area (ha): Incinerator Capacity (t): 200 tonnes Processing Area (m³): Processing Capacity (m³/d): Processing Volume (m³): Processing Feed (m³):	Waste Description: Site Closing Description: A252606

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-8		The Corporation of the City of Orillia	100 Kitchener Street, , Orillia
		Certificate No.: A250601	Mobile Units:
		Issue Date: 10/14/2011	Mobile Description:
		Status: Approved	Mobile Capacity:
		Application Status:	Mobile Unit Cert. No.:
		Concession:	Waste Type:
		Lot:	Waste Type Other:
			Waste Class:
			Other Approvals/Permits:
		Region/County:	
		Proponent:	
		Address:	Project Description:
		City:	
		Facility Type:	
		District Office:	
		Municipalities Served:	Approval Description:
		Total Area (ha):	
		Landfill Capacity (m³):	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha)	Site Closing Description: A250601
		Transfer Capacity (m³):	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha):	
		Incinerator Capacity (t):	
		Processing Area (m³):	
		Processing Capacity (m³/d):	
		Processing Volume (m³):	
		Processing Feed (m³):	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-9		The Corporation of the City of Orillia	100 Kitchener Street, , Orillia
		Certificate No.: A250601	Mobile Units:
		Issue Date: 10/14/2011	Mobile Description:
		Status: Approved	Mobile Capacity:
		Application Status:	Mobile Unit Cert. No.:
		Concession:	Waste Type:
		Lot:	Waste Type Other:
			Waste Class:
			Other Approvals/Permits:
		Region/County:	
		Proponent:	
			Project Description:
		Address:	
		City:	
		Facility Type:	
		District Office:	
		Municipalities Served:	Approval Description:
		Total Area (ha):	
		Landfill Capacity (m³):	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha)	Site Closing Description: A250601
		Transfer Capacity (m³):	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha):	
		Incinerator Capacity (t):	
		Processing Area (m³):	
		Processing Capacity (m³/d):	
		Processing Volume (m³):	
		Processing Feed (m³):	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
WDS-10		The Corporation of the City of Orillia	100 Kitchener St Lot 11 & 12, Concession 4 , , Orillia
		Certificate No.: A252603	Mobile Units:
		Issue Date: 1/6/2009	Mobile Description:
		Status: Approved	Mobile Capacity:
		Application Status:	Mobile Unit Cert. No.:
		Concession:	Waste Type:
		Lot:	Waste Type Other:
			Waste Class:
			Other Approvals/Permits:
		Region/County:	
		Proponent:	
			Project Description:
		Address:	
		City:	
		Facility Type:	
		District Office:	
		Municipalities Served:	Approval Description:
		Total Area (ha):	
		Landfill Capacity (m³):	Waste Description:
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha)	Site Closing Description: A252603
		Transfer Capacity (m³):	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha):	
		Incinerator Capacity (t):	
		Processing Area (m³):	
		Processing Capacity (m³/d):	
		Processing Volume (m³):	
		Processing Feed (m³):	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2		, Lot 11 and 12 , Concession 4, Orillia
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 6/16/2000	Mobile Description:
		Status: Approved	Mobile Capacity:
		Application Status: Notice	Mobile Unit Cert. No.:
		Concession: 4	Waste Type:
		Lot: 11-12	Waste Type Other:
			Waste Class:
			Other Approvals/Permits:
		Region/County: County Of Simcoe	
		Proponent: Corporation of the City of Orillia	
		Address: 50 Andrew Street South, 3rd Floor	Project Description: In September 10, 1998, the City of Orillia requested an amendment for use of alternative daily cover. This amendment was granted as a one-year trial. A report was provided March 8, 2000. This application is to request this amendment be approved on an on-going basis.
		City: Orillia	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served:	Approval Description:
		Total Area (ha): 40.5	
		Landfill Capacity (m³):	Waste Description:
		Landfill Monitoring: none	
		Landfill Control Type: none	
		Est. Closure Date:	
		Transfer Area (ha)	Site Closing Description: A250601
		Transfer Capacity (m³):	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha):	
		Incinerator Capacity (t):	
		Processing Area (m³):	
		Processing Capacity (m³/d):	
		Processing Volume (m³):	
		Processing Feed (m³):	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 02/23/1971	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
		Region/County: CENTRAL/SIMCOE	Other Approvals/Permits:
		Proponent: CITY OF ORILLIA	
			Project Description:
		Address: PO BOX 7	
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA POPULATION SERVED: 21,500	Approval Description:
		Total Area (ha): 28.3	
		Landfill Capacity (m³): 163000	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 01/19/1972	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
		Region/County: CENTRAL/SIMCOE	Other Approvals/Permits:
		Proponent: CITY OF ORILLIA	
		Address: PO BOX 7	Project Description:
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA POPULATION SERVED: 21,500	Approval Description:
		Total Area (ha): 28.3	
		Landfill Capacity (m³): 163000	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 11/08/1972	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
			Other Approvals/Permits:
		Region/County: CENTRAL/SIMCOE	
		Proponent: CITY OF ORILLIA	
			Project Description:
		Address: PO BOX 7	
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA POPULATION SERVED: 21,500	Approval Description: CONDITION ADDED - TO CREATE A BUFFER ZONE BETWEEN THE DISPOSAL AREA AND THE SURROUNDING BRUSH AND TREES.
		Total Area (ha): 28.3	
		Landfill Capacity (m³): 163000	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 11/16/1973	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
			Other Approvals/Permits:
		Region/County: CENTRAL/SIMCOE	
		Proponent: CITY OF ORILLIA	
			Project Description:
		Address: PO BOX 7	
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA POPULATION SERVED: 21,500	Approval Description: CONDITION ADDED - TO CREATE A BUFFER ZONE BETWEEN THE DISPOSAL AREA AND THE SURROUNDING BRUSH AND TREES.
		Total Area (ha): 28.3	
		Landfill Capacity (m³): 163000	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 10/01/1974	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
		Region/County: CENTRAL/SIMCOE	Other Approvals/Permits:
		Proponent: CITY OF ORILLIA	
		Address: PO BOX 7	Project Description:
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA POPULATION SERVED: 21,500	Approval Description: CONDITION ADDED - TO CREATE A BUFFER ZONE BETWEEN THE DISPOSAL AREA AND THE SURROUNDING BRUSH AND TREES.
		Total Area (ha): 28.3	
		Landfill Capacity (m³): 163000	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m²): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 04/29/1981	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
		Region/County: CENTRAL/SIMCOE	Other Approvals/Permits:
		Proponent: CITY OF ORILLIA	
		Address: PO BOX 7	Project Description:
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA POPULATION SERVED:23,768 [1980]	Approval Description:
		Total Area (ha): 28.3	
		Landfill Capacity (m³): 163000	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 12/19/1986	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
		Region/County: CENTRAL/SIMCOE	Other Approvals/Permits:
		Proponent: CITY OF ORILLIA	
		Address: PO BOX 7	Project Description:
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA POPULATION SERVED: 23,768 IN 1980	Approval Description:
		Total Area (ha): 40.5	
		Landfill Capacity (m³): 602575	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 06/14/1988	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
		Region/County: CENTRAL/SIMCOE	Other Approvals/Permits:
		Proponent: CITY OF ORILLIA	
		Address: PO BOX 7	Project Description:
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA --- EMERGENCY CERTIFICATE INCLUDES TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,768 IN 1980	Approval Description:
		Total Area (ha): 40.5	
		Landfill Capacity (m³): 602575	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m²): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 06/25/1990	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
			Other Approvals/Permits:
			Project Description:
		Address: PO BOX 7	
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984	Approval Description: NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUNE 14 1988. THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF DECEMBER 31/1990 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs
		Total Area (ha): 40.5	
		Landfill Capacity (m³): 602575	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring: groundwater, surface water	
		Landfill Control Type: surface water, groundwater	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 12/27/1990	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
			Other Approvals/Permits:
		Region/County: CENTRAL/SIMCOE	
		Proponent: CITY OF ORILLIA	
			Project Description:
		Address: PO BOX 7	
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984	Approval Description: NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUN 14/88. THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF MAY 1/1991 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs
		Total Area (ha): 40.5	
		Landfill Capacity (m³): 602575	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring: groundwater, surface water	
		Landfill Control Type: surface water, groundwater	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 04/30/1991	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
			Other Approvals/Permits:
		Region/County: CENTRAL/SIMCOE	
		Proponent: CITY OF ORILLIA	
		Address: PO BOX 7	Project Description:
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984	Approval Description: NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUN 14/88 . THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF NOVEMBER 1/1991 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs
		Total Area (ha): 40.5	
		Landfill Capacity (m³): 602575	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring: groundwater, surface water	
		Landfill Control Type: surface water, groundwater	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER LANDFILL SITE	KITCHENER ST., , ORILLIA, CITY OF
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 11/04/1991	Mobile Description:
		Status:	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
			Other Approvals/Permits:
		Region/County: CENTRAL/SIMCOE	
		Proponent: ORILLIA, CITY OF	
			Project Description:
		Address: PO BOX 7	
		City: ONTARIO ORILLIA	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984	Approval Description: NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUN 14/88 . THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF NOVEMBER 1/1991 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs
		Total Area (ha): 40.5	
		Landfill Capacity (m³): 602575	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring: groundwater, surface water	
		Landfill Control Type: surface water, groundwater	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER STREET LANDFILL SITE	KITCHENER ST., , ORILLIA, CITY OF
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 03/19/1999	Mobile Description:
		Status: Approved	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
		Region/County: SIMCOE	Other Approvals/Permits:
		Proponent: ORILLIA, CITY OF	
		Address: 50 Andrew St. S., Box 340	Project Description:
		City: Orillia, Ontario	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984	Approval Description: NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUN 14/88 . THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF NOVEMBER 1/1991 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs
		Total Area (ha): 40.5	
		Landfill Capacity (m³): 602575	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring: groundwater, surface water	
		Landfill Control Type: surface water, groundwater	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE CA Inventory

Map Key	Related Site(s)	Operation Name	Site Address
n/a	ANDR-2	KITCHENER STREET LANDFILL SITE	KITCHENER ST., , CITY OF ORILLIA
	ANDR-3	Certificate No.: A250601	Mobile Units:
	ANDR-4	Issue Date: 11/11/1111	Mobile Description:
		Status: 114	Mobile Capacity: 0
		Application Status:	Mobile Unit Cert. No.:
		Concession: 4	Waste Type: domestic, commercial, non-hazardous solid-industrial
		Lot: 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST	Waste Type Other: Yes
			Waste Class:
		Region/County: SIMCOE	Other Approvals/Permits:
		Proponent: ORILLIA, CITY OF	
		Address: 50 Andrew St. S., Box 340	Project Description:
		City: Orillia, Ontario	
		Facility Type: Landfill	
		District Office: Barrie	
		Municipalities Served: CITY OF ORILLIA POPULATION SERVED: 21,500	Approval Description:
		Total Area (ha): 28.3	
		Landfill Capacity (m³): 163000	Waste Description: DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]
		Landfill Monitoring:	
		Landfill Control Type:	
		Est. Closure Date:	
		Transfer Area (ha) 0	Site Closing Description: A250601
		Transfer Capacity (m³): 0	
		Transfer Sites Cert. No.:	
		Incinerator Area (ha): 0	
		Incinerator Capacity (t): 0	
		Processing Area (m³): 0	
		Processing Capacity (m³/d): 0	
		Processing Volume (m³): 0	
		Processing Feed (m³): 0	

Waste Disposal Sites - MOE 1991 Historical Approval Inventory

**Note: Status as of October 30, 1990.

Map Key	Company	Address	Site No.	Region	County	Concession	Lot
WDSH-1		PT 11-12 4 ORILLIA	A250601	CENTRAL	SIMCOE	4	PT 11-12
			Easting:		625680		
			Northing:		4938210		
			Zone:		17		
			Date Closed		n/a		
			Status:		ACTIVE		
			Classification:		A3 - POTENTIAL HUMAN IMPACT-URBAN MUNICIPAL/DOMESTIC WASTE		
			%CommercialWste:		10		
			%DomesticWste Rec:		55		
			%LiquidWste Rec:		0		
			%HazardousWste Rec:		0		
			%Non-haz.Wste Rec:		18		
			%Sewage/Sludge Rec:		0		
			%Other Wste Rec:		17		

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-1			5711943				SIMCOE	ORILLIA CITY
Easting Nad83: 626321.6 Northing Nad83: 4939034 Zone: 17 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 4/3/1974 Primary Water Use: Commerical Secondary Water Use: Well Depth: 47 ft Pump Rate: 6 GPM Static Water Level: 30 ft Flow Rate: Clear/Cloudy: CLOUDY Specific Capacity: Final Well Status: Water Supply Construction Method: Cable Tool Flowing (y/n): N Elevation (m): 217.194625 Elevation Reliability: Depth to Bedrock: 0 Overburden/Bedrock: Mixed in a Layer Water Type: FRESH Casing Material: STEEL, OPEN HOLE								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>		
			25 ft	25 ft	BROWN	CLAY, SANDSTONE, BOULDERS		
			4 ft	29 ft	GREY	LIMESTONE, SHALE		
			18 ft	47 ft	GREY	LIMESTONE		

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-2		ORILLIA	7154933				SIMCOE	ORILLIA CITY
Easting Nad83: 626403 Northing Nad83: 4938887 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: Primary Water Use: Monitoring Secondary Water Use: Well Depth: 5.2 m Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Observation Wells Construction Method: Boring Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Casing Material: PLASTIC								
			Thickness Original Depth	Original Depth	Material Colour	Material		
			1.6 m	1.6 m	BROWN	SAND, FILL		
			3.6 m	5.2 m	BROWN	TILL, FRACTURED, WATER-BEARING		

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-3		30 KITCHENER STREET Orillia	7052025				SIMCOE	ORILLIA CITY
Easting Nad83: 651361 Northing Nad83: 7853191 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: 7/11/2007 Primary Water Use: Monitoring Secondary Water Use: Well Depth: Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Observation Wells Construction Method: Boring Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Casing Material: PLASTIC								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-4		ORILLIA	7154935				SIMCOE	ORILLIA CITY
Easting Nad83: 626252 Northing Nad83: 4938795 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: Primary Water Use: Monitoring Secondary Water Use: Well Depth: 10 m Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Observation Wells Construction Method: Boring Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Casing Material: PLASTIC								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>		
			2.2 m	2.2 m	BLACK	PEAT, GRAVEL, WATER-BEARING		
			2.9 m	5.1 m	GREY	SILT, CLAY, WATER-BEARING		
			1.6 m	6.7 m	GREY	SAND, SILT, FINE SAND		
			3.3 m	10 m	GREY	TILL, SAND, SILT		

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-5			7154939				SIMCOE	ORILLIA CITY
			Easting Nad83: 626545					
			Northing Nad83: 4938790					
			Zone: 17					
			Utm Reliability: margin of error : 10 - 30 m					
			Construction Date: 9/24/2010					
			Primary Water Use:					
			Secondary Water Use:					
			Well Depth:					
			Pump Rate:					
			Static Water Level:					
			Flow Rate:					
			Clear/Cloudy:					
			Specific Capacity:					
			Final Well Status:					
		Construction Method:						
		Flowing (y/n):						
		Elevation (m):						
		Elevation Reliability:						
		Depth to Bedrock:						
		Overburden/Bedrock:						
		Water Type:						
		Casing Material:						
			Thickness	Original Depth		Material Colour	Material	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-6			7154938				SIMCOE	ORILLIA CITY
			Easting Nad83: 626427					
			Northing Nad83: 4938727					
			Zone: 17					
			Utm Reliability: margin of error : 10 - 30 m					
			Construction Date: 9/23/2010					
			Primary Water Use:					
			Secondary Water Use:					
			Well Depth:					
			Pump Rate:					
			Static Water Level:					
			Flow Rate:					
			Clear/Cloudy:					
			Specific Capacity:					
			Final Well Status:					
		Construction Method:						
		Flowing (y/n):						
		Elevation (m):						
		Elevation Reliability:						
		Depth to Bedrock:						
		Overburden/Bedrock:						
		Water Type:						
		Casing Material:						
			Thickness	Original Depth		Material Colour	Material	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-7		lot 12 con 4 ORILLIA	7132873	012	04	SD	SIMCOE	ORILLIA TOWNSHIP
Easting Nad83: 626429 Northing Nad83: 4938724 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: 9/10/2009 Primary Water Use: Monitoring Secondary Water Use: Well Depth: 34 ft Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Observation Wells Construction Method: Rotary (Convent.) Flowing (y/n): Elevation (m): 219.295562 Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Untested Casing Material: PLASTIC								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	
			2.5 ft	2.5 ft	BROWN		SAND, GRAVEL, DENSE	
			2.5 ft	5 ft	BROWN		SAND, CLAY, PACKED	
			4 ft	9 ft	GREY		SAND, GRAVEL, LOOSE	
			6 ft	15 ft	BROWN		SAND, CLAY, LOOSE	
			10 ft	25 ft	GREY		SILT, SAND, PACKED	
			5 ft	30 ft	BROWN		SAND, SILT, LOOSE	
			4 ft	34 ft	GREY		GRAVEL, ROCK, FRACTURED	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-8		ORILLIA	7154934				SIMCOE	ORILLIA CITY
Easting Nad83: 626241 Northing Nad83: 4938659 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: 9/15/2010 Primary Water Use: Monitoring Secondary Water Use: Well Depth: 4.2 m Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Observation Wells Construction Method: Boring Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Casing Material: PLASTIC								
			Thickness	Original Depth	Material Colour		Material	
			1.2 m	1.2 m	BROWN		SAND, GRAVEL, WATER-BEARING	
			3 m	4.2 m				

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-9			7154937				SIMCOE	ORILLIA CITY
			Easting Nad83: 626494					
			Northing Nad83: 4938666					
			Zone: 17					
			Utm Reliability: margin of error : 10 - 30 m					
			Construction Date: 9/24/2010					
			Primary Water Use:					
			Secondary Water Use:					
			Well Depth:					
			Pump Rate:					
			Static Water Level:					
			Flow Rate:					
			Clear/Cloudy:					
			Specific Capacity:					
			Final Well Status:					
		Construction Method:						
		Flowing (y/n):						
		Elevation (m):						
		Elevation Reliability:						
		Depth to Bedrock:						
		Overburden/Bedrock:						
		Water Type:						
		Casing Material:						
			<u>Thickness</u>	<u>Original Depth</u>		<u>Material Colour</u>	<u>Material</u>	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-10			7154940				SIMCOE	ORILLIA CITY
			Easting Nad83: 626264 Northing Nad83: 4938606 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: 9/21/2010 Primary Water Use: Secondary Water Use: Well Depth: Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Construction Method: Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Casing Material:					
			<u>Thickness</u>	<u>Original Depth</u>		<u>Material Colour</u>	<u>Material</u>	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-11			5702664				SIMCOE	ORILLIA CITY
			Easting Nad83: 626394.6					
			Northing Nad83: 4938604					
			Zone: 17					
			Utm Reliability: unknown UTM					
			Construction Date: 3/29/1958					
			Primary Water Use: Domestic					
			Secondary Water Use:					
			Well Depth: 28 ft					
			Pump Rate: 4 GPM					
		Static Water Level: 4 ft						
		Flow Rate:						
		Clear/Cloudy: CLEAR						
		Specific Capacity:						
		Final Well Status: Water Supply						
		Construction Method: Cable Tool						
		Flowing (y/n): N						
		Elevation (m): 218.514526						
		Elevation Reliability:						
		Depth to Bedrock: 17						
		Overburden/Bedrock: Bedrock						
		Water Type: FRESH						
		Casing Material: STEEL, OPEN HOLE						
			Thickness	Original Depth		Material Colour	Material	
			17 ft	17 ft		BLUE	CLAY	
			11 ft	28 ft		GREY	LIMESTONE	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-12			7154941				SIMCOE	ORILLIA CITY
			Easting Nad83: 626203 Northing Nad83: 4938547 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: Primary Water Use: Secondary Water Use: Well Depth: Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Construction Method: Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Casing Material:					
			<u>Thickness</u>	<u>Original Depth</u>		<u>Material Colour</u>	<u>Material</u>	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-13		Orillia	7154931				SIMCOE	ORILLIA CITY
Easting Nad83: 625970 Northing Nad83: 4938375 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: 10/4/2010 Primary Water Use: Monitoring Secondary Water Use: Well Depth: Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Abandoned-Other Construction Method: Boring Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Casing Material:								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-14			7154936				SIMCOE	ORILLIA CITY
			Easting Nad83: 625970					
			Northing Nad83: 4938375					
			Zone: 17					
			Utm Reliability: margin of error : 10 - 30 m					
			Construction Date:					
			Primary Water Use:					
			Secondary Water Use:					
			Well Depth:					
			Pump Rate:					
			Static Water Level:					
			Flow Rate:					
			Clear/Cloudy:					
			Specific Capacity:					
		Final Well Status:						
		Construction Method:						
		Flowing (y/n):						
		Elevation (m):						
		Elevation Reliability:						
		Depth to Bedrock:						
		Overburden/Bedrock:						
		Water Type:						
		Casing Material:						
			<u>Thickness</u>	<u>Original Depth</u>		<u>Material Colour</u>	<u>Material</u>	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-15		400 MEMORIAL AVE	5739854				SIMCOE	ORILLIA CITY
Easting Nad83: Northing Nad83: Zone: Utm Reliability: Construction Date: 6/15/2005 Primary Water Use: Secondary Water Use: Well Depth: 20 ft Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Observation Wells Construction Method: Boring Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Overburden Water Type: Casing Material:								
			Thickness	Original Depth	Material Colour		Material	
			5 ft	5 ft	BROWN		GRAVEL, FILL, LOOSE	
			15 ft	20 ft	BROWN		CLAY, SILT	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-16		ORILLIA	7154932				SIMCOE	ORILLIA CITY
Easting Nad83: 625349 Northing Nad83: 4938343 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: 9/29/2010 Primary Water Use: Monitoring Secondary Water Use: Well Depth: 2.1 m Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: Specific Capacity: Final Well Status: Observation Wells Construction Method: Boring Flowing (y/n): Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Water Type: Casing Material: PLASTIC								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>		
			1.2 m	1.2 m	BLACK	PEAT, SOFT, WATER-BEARING		
			0.9 m	2.1 m	GREY	PEAT, CLAY, WATER-BEARING		

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-17		ORILLIA	5740869				SIMCOE	ORILLIA CITY
Easting Nad83: 625084 Northing Nad83: 4938426 Zone: 17 Utm Reliability: margin of error : 10 - 30 m Construction Date: 5/30/2006 Primary Water Use: Secondary Water Use: Well Depth: 5.5 m Pump Rate: Static Water Level: Flow Rate: Clear/Cloudy: OTHER Specific Capacity: Final Well Status: Observation Wells Construction Method: Boring Flowing (y/n): N Elevation (m): 224.788696 Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Overburden Water Type: Casing Material: PLASTIC								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>		
			3 m	3 m	BROWN	SAND, CLAY		
			1.5 m	4.5 m	GREY	SAND, SILT, CLAY		
			1 m	5.5 m	GREY	CLAY, SILTY		

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11	5718665	011		ND	SIMCOE	ORILLIA TOWNSHIP
Easting Nad83: Northing Nad83: Zone: 17 Utm Reliability: unknown UTM Construction Date: 9/19/1983 Primary Water Use: Domestic Secondary Water Use: Well Depth: 75 ft Pump Rate: 15 GPM Static Water Level: 10 ft Flow Rate: Clear/Cloudy: CLOUDY Specific Capacity: Final Well Status: Water Supply Construction Method: Cable Tool Flowing (y/n): N Elevation (m): Elevation Reliability: Depth to Bedrock: 49 Overburden/Bedrock: Bedrock Water Type: FRESH Casing Material: OPEN HOLE, STEEL								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	
			12 ft	12 ft			PREVIOUSLY DUG	
			36 ft	48 ft	BROWN		SILT, SAND	
			1 ft	49 ft	BROWN		SAND, GRAVEL	
			5 ft	54 ft	BROWN		LIMESTONE	
			21 ft	75 ft	BLUE		LIMESTONE	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12	5720177	012			SIMCOE	ORILLIA TOWNSHIP
Easting Nad83: Northing Nad83: Zone: 17 Utm Reliability: unknown UTM Construction Date: 8/20/1985 Primary Water Use: Commerical Secondary Water Use: Well Depth: 49 ft Pump Rate: 4 GPM Static Water Level: 10 ft Flow Rate: Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Water Supply Construction Method: Cable Tool Flowing (y/n): N Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Overburden Water Type: FRESH Casing Material: STEEL								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	
			4 ft	4 ft	BROWN		SAND, STONES	
			42 ft	46 ft	GREY		CLAY, THICK	
			3 ft	49 ft	GREY		SAND, GRAVEL	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11 con 9	5722507	011	09		SIMCOE	ORILLIA TOWNSHIP
Easting Nad83:								
Northing Nad83:								
Zone: 17								
Utm Reliability: unknown UTM								
Construction Date: 8/8/1987								
Primary Water Use: Domestic								
Secondary Water Use:								
Well Depth: 88 ft								
Pump Rate: 20 GPM								
Static Water Level: 10 ft								
Flow Rate:								
Clear/Cloudy: CLEAR								
Specific Capacity:								
Final Well Status: Water Supply								
Construction Method: Cable Tool								
Flowing (y/n): N								
Elevation (m):								
Elevation Reliability:								
Depth to Bedrock: 40								
Overburden/Bedrock: Bedrock								
Water Type: FRESH								
Casing Material: STEEL, OPEN HOLE								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	
			10 ft	10 ft	BROWN		CLAY	
			10 ft	20 ft	BROWN		SAND	
			3 ft	23 ft			BOULDERS	
			17 ft	40 ft	BROWN		CLAY	
			4 ft	44 ft	BROWN		LIMESTONE, STONES	
			31 ft	75 ft	BROWN		LIMESTONE, LAYERED	
			13 ft	88 ft	RED		LIMESTONE	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11	5733466	011		SD	SIMCOE	ORILLIA TOWNSHIP
Easting Nad83: Northing Nad83: Zone: 17 Utm Reliability: unknown UTM Construction Date: 1/5/1998 Primary Water Use: Domestic Secondary Water Use: Well Depth: 220 ft Pump Rate: 5 GPM Static Water Level: 205 ft Flow Rate: Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Water Supply Construction Method: Cable Tool Flowing (y/n): N Elevation (m): Elevation Reliability: Depth to Bedrock: 188 Overburden/Bedrock: Bedrock Water Type: MINERIAL Casing Material: STEEL, OPEN HOLE								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	
			90 ft	90 ft			CLAY, HARDPAN, BOULDERS	
			50 ft	140 ft			GRAVEL, CLAY, SANDY	
			48 ft	188 ft			HARDPAN, CLAY, BOULDERS	
			32 ft	220 ft			LIMESTONE	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12	5734234	012			SIMCOE	ORILLIA CITY
Easting Nad83: Northing Nad83: Zone: 17 Utm Reliability: unknown UTM Construction Date: 6/28/1999 Primary Water Use: Domestic Secondary Water Use: Well Depth: 62 ft Pump Rate: 4 GPM Static Water Level: 8 ft Flow Rate: Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Water Supply Construction Method: Air Percussion Flowing (y/n): N Elevation (m): Elevation Reliability: Depth to Bedrock: 35 Overburden/Bedrock: Bedrock Water Type: FRESH Casing Material: STEEL, OPEN HOLE								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>		
			6 ft	6 ft	BROWN	CLAY, STONEY		
			24 ft	30 ft	GREY	HARDPAN, STONEY		
			5 ft	35 ft	GREY	CLAY, GRAVEL		
			27 ft	62 ft	GREY	LIMESTONE, ROCK		

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11	5734771	011		ND	SIMCOE	ORILLIA TOWNSHIP
Easting Nad83: Northing Nad83: Zone: 17 Utm Reliability: unknown UTM Construction Date: 6/16/1999 Primary Water Use: Domestic Secondary Water Use: Well Depth: 255 ft Pump Rate: Static Water Level: 5 ft Flow Rate: Clear/Cloudy: CLOUDY Specific Capacity: Final Well Status: Water Supply Construction Method: Rotary (Air) Flowing (y/n): N Elevation (m): Elevation Reliability: Depth to Bedrock: 19 Overburden/Bedrock: Bedrock Water Type: FRESH Casing Material: STEEL								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	
			15 ft	15 ft	RED		TOPSOIL, SAND, SOFT	
			4 ft	19 ft	GREY		SAND	
			51 ft	70 ft	GREY		GRANITE	
			17 ft	87 ft	RED		GRANITE	
			33 ft	120 ft	BLACK		GRANITE	
			135 ft	255 ft	GREY		GRANITE	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12	5735051	012		ND	SIMCOE	ORILLIA TOWNSHIP
Easting Nad83: Northing Nad83: Zone: 17 Utm Reliability: unknown UTM Construction Date: 10/27/1999 Primary Water Use: Domestic Secondary Water Use: Well Depth: 253 ft Pump Rate: 8 GPM Static Water Level: 6 ft Flow Rate: Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Water Supply Construction Method: Air Percussion Flowing (y/n): N Elevation (m): Elevation Reliability: Depth to Bedrock: 14 Overburden/Bedrock: Bedrock Water Type: FRESH Casing Material: STEEL								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	
			4 ft	4 ft	BROWN		TOPSOIL, SAND, WATER-BEARING	
			3 ft	7 ft	BROWN		SAND, PACKED	
			7 ft	14 ft	GREY		CLAY, PACKED, HARD	
			118 ft	132 ft	GREY		GRANITE, HARD	
			15 ft	147 ft	RED		GRANITE, HARD	
			106 ft	253 ft	GREY		GRANITE, HARD	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12	5735426	012			SIMCOE	ORO TOWNSHIP
Easting Nad83: Northing Nad83: Zone: 17 Utm Reliability: unknown UTM Construction Date: 8/22/2000 Primary Water Use: Domestic Secondary Water Use: Well Depth: 122 ft Pump Rate: 15 GPM Static Water Level: 18 ft Flow Rate: Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Water Supply Construction Method: Rotary (Convent.) Flowing (y/n): N Elevation (m): Elevation Reliability: Depth to Bedrock: Overburden/Bedrock: Overburden Water Type: FRESH Casing Material: STEEL								
			<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>		<u>Material</u>	
			2 ft	2 ft	BROWN		FILL	
			6 ft	8 ft	BROWN		SAND, GRAVEL	
			27 ft	35 ft	GREY		CLAY, GRAVEL, STONES	
			60 ft	95 ft	GREY		CLAY, GRAVEL, HARD	
			22 ft	117 ft	GREY		CLAY, GRAVEL	
			5 ft	122 ft	BROWN		SAND, WATER-BEARING	

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12	5735586	012		ND	SIMCOE	ORILLIA TOWNSHIP
Easting Nad83: Northing Nad83: Zone: 17 Utm Reliability: unknown UTM Construction Date: 5/31/2000 Primary Water Use: Domestic Secondary Water Use: Livestock Well Depth: 57 ft Pump Rate: 10 GPM Static Water Level: 45 ft Flow Rate: Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Water Supply Construction Method: Cable Tool Flowing (y/n): N Elevation (m): Elevation Reliability: Depth to Bedrock: 48 Overburden/Bedrock: Bedrock Water Type: FRESH Casing Material: STEEL, OPEN HOLE Thickness Original Depth Material Colour Material 48 ft 48 ft HARDPAN, CLAY, BOULDERS 9 ft 57 ft LIMESTONE								

Appendix: Ontario Database Descriptions

EcoLog Environmental Risk Information Services Ltd can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to EcoLog ERIS at the time of update. **Note:** Databases denoted with “*” indicates that the database will no longer be updated. See the individual database descriptions for more information.

Provincial Government Source Databases:

Abandoned Aggregate Inventory Up to Sept 2002

AAGR

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

Aggregate Inventory Up to Jun 2011

AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot/concession and city/town location. The database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mines Information System 1800-Jan 2012

AMIS

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

Borehole 1875-Aug 2011

BORE

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

For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Certificates of Approval 1985-Oct 30, 2011*

CA

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

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

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

Inventory of Coal Gasification Plants and Coal Tar Sites April 1987 and November 1988***COAL**

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

Compliance and Convictions 1989-Feb 2012**CONV**

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

Certificates of Property Use 1994-Feb 2012**CPU**

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

Drill Holes 1886-Oct 2011**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 MNM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a “Report of Work”.

Environmental Activity and Sector Registry Oct 31, 2011-Feb 2012**EASR**

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

Environmental Registry 1994-Feb 2012**EBR**

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Environmental Compliance Approval Oct 31, 2011-Feb 2012**ECA**

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

List of TSSA Expired Facilities Current to Feb 2012**EXP**

This is a list of all expired facilities that fall under the TSSA (TSS Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

TSSA Fuel Storage Tanks Current to Jun 2011**FST**

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

Ontario Regulation 347 Waste Generators Summary 1986-Oct 2010**GEN**

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

TSSA Historic Incidents 2006-June 2009**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. We also work 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.

TSSA Incidents June 2009-Mar 2012**INC**

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

Landfill Inventory Management Ontario 2010**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.

Mineral Occurrences 1846-Nov 2011**MNR**

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

Non-Compliance Reports 1992(water only), 1994-2010**NCPL**

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

Ontario Oil and Gas Wells 1800-Jun 2011**OOGW**

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

Ontario Inventory of PCB Storage Sites 1987-Oct 2004**OPCB**

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

Orders 1994-Feb 2012**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.

Pesticide Register 1988-Mar 2011**PES**

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

TSSA Pipeline Incidents June 2009-Mar 2012**PINC**

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

Private and Retail Fuel Storage Tanks 1989-1996***PRT**

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

Permit to Take Water 1994-Feb 2012**PTTW**

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

Ontario Regulation 347 Waste Receivers Summary 1986-2008**REC**

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

Record of Site Condition 1997-Sept 2001, Oct 2004-Feb 2012**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).

Ontario Spills 1988-2011**SPL**

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Wastewater Discharger Registration Database 1990-2010**SRDS**

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

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

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

Waste Disposal Sites - MOE CA Inventory 1970-Feb 2012**WDS**

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

Waste Disposal Sites - MOE 1991 Historical Approval Inventory Up to Oct 1990***WDSH**

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

Water Well Information System 1955-2011**WWIS**

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

Federal Government Source Databases:**Diagram Identifier:****Environmental Effects Monitoring 1992-2007*****EEM**

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Environmental Issues Inventory System 1992-2001***EIIS**

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

Federal Convictions 1988-Jun 2007**FCON**

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

Contaminated Sites on Federal Land June 2000-Jan 2012

FCS

The Treasury Board of Canada Secretariat maintains an inventory of all known contaminated sites held by various Federal departments and agencies. This inventory does not include properties owned by Crown corporations, but does contain non-federal sites for which the Government of Canada has accepted some or all financial responsibility. All sites have been classified through a system developed by the Canadian Council of Ministers of the Environment. The database provides information on company name, location, site ID #, property use, classification, current status, contaminant type and plan of action for site remediation.

Fisheries & Oceans Fuel Tanks 1964-Sept 2003

FOFT

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

Indian & Northern Affairs Fuel Tanks 1950-Aug 2003

IAFT

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

National Analysis of Trends in Emergencies System (NATES) 1974-1994*

NATE

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

National Defence & Canadian Forces Fuel Tanks Up to May 2001*

NDFT

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

National Defence & Canadian Forces Spills Mar 1999-Aug 2010

NDSP

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

National Defence & Canadian Forces Waste Disposal Sites 2001-April 2007

NDWD

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

National Environmental Emergencies System (NEES) 1974-2003**NEES**

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

National PCB Inventory 1988-2008**NPCB**

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites.

National Pollutant Release Inventory 1993-2009**NPRI**

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

Parks Canada Fuel Storage Tanks 1920-Jan 2005**PCFT**

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

Transport Canada Fuel Storage Tanks 1970-March 2007**TCFT**

With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. This inventory will also include The Pickering Lands, which refers to the 7,530 hectares (18,600 acres) of land in Pickering, Markham and Uxbridge - owned by the Government of Canada since 1972. Properties on this land has been leased by the government since 1975, falls under the Site Management Policy of Transport Canada, but administered by Public Works and Government Services Canada. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Private Source Databases:**Anderson's Waste Disposal Sites 1860s-Present****ANDR**

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

Automobile Wrecking & Supplies 2001-Jun 2010

AUWR

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

Chemical Register 1992, 1999-Jun 2010

CHEM

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

ERIS Historical Searches 1999-Sept 2011

EHS

EcoLog ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Canadian Mine Locations 1998-2009

MINE

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

Oil and Gas Wells Oct 2001-2011

OGW

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

Canadian Pulp and Paper 1999, 2002, 2004, 2005, 2009

PAP

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

Retail Fuel Storage Tanks 2000-Jun 2010

RST

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

Scott's Manufacturing Directory 1992-Mar 2011

SCT

Scott's Directories is a data bank containing information on over 70,000 manufacturers in Ontario. Even though Scott's listings are voluntary, it is the most comprehensive database of Ontario manufacturers available. Information concerning a company's address, plant size, and main products are included in this database. This database begins with 1992 information and is updated annually.

Anderson's Storage Tanks 1915-1953*

TANK

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



APPENDIX E

Land Title Information

CHAIN OF TITLE REPORT

Site # 6

Chain 1

100 Kitchener Street, Orillia

Part Lot 12, Lot 11 Con 4 South Orillia E of Railway & S of Hwy 12

as in RO490136, RO315214 & NSO8098

PIN 58568-0028(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	16 12 1841	Crown	James SHANNON
2018	Deed	08 10 1885	James Shannon	Frank KEAN
4649	Deed	07 03 1896	Frank Kean	Martha KEAN
NSO8098	Deed	06 11 1909	Martha Kean	The Corporation of The Township of Orillia

CHAIN OF TITLE REPORT

Site # 6

100 Kitchener Street, Orillia

Part Lot 12, Lot 11 Con 4 South Orillia E of Railway & S of Hwy 12

as in RO490136, RO315214 & NSO8098

PIN 58568-0028(LT)

Chain 2

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	14 04 1862	Crown	Henry SHAW
40187	Deed	11 04 1865	Henry Shaw	Thomas Douglas LEDYARD
44486	Deed	22 06 1867	Thomas D. Ledyard	Thomas DALLAS
1347	Deed	25 10 1882	Thomas Dallas	Archibald MCFEE
1446	Deed	22 03 1883	Archibald McFee	John SPARLING
2046	Deed	01 12 1885	John Sparling	Eliya DREYER
9308	Deed	21 07 1913	Eliya Dreyer – estate	His Majesty The King
RO315214	Deed	10 11 1969	Her Majesty The Queen	The Corporation of The City of Orillia

CHAIN OF TITLE REPORT

Site # 6

100 Kitchener Street, Orillia

Part Lot 12, Lot 11 Con 4 South Orillia E of Railway & S of Hwy 12

as in RO490136, RO315214 & NSO8098

PIN 58568-0028(LT)

Chain 3

Page 1

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	14 04 1862	Crown	Henry SHAW
40187	Deed	11 04 1865	Henry Shaw	Thomas Douglas LEDYARD
44486	Deed	22 06 1867	Thomas D. Ledyard	Thomas DALLAS
1347	Deed	25 10 1882	Thomas Dallas	Archibald MCFEE
1442	Deed	23 02 1883	Archibald McFee	John SPARLING
3064	Deed	07 03 1884	John Sparling	Murray FARQUHARSON & Robert SANDERSON
11226	Deed	23 12 1920	Robert Sanderson & estate of Murray Farquharson	John CUTHBERT, Robert WATSON & John WILSON
16265	Deed	20 06 1922	Robert Watson & John Wilson	John CUTHBERT

Cont'd on page 2

CHAIN OF TITLE REPORT

Site # 6
100 Kitchener Street, Orillia
Part Lot 12, Lot 11 Con 4 South Orillia E of Railway & S of Hwy 12
as in RO490136, RO315214 & NSO8098
PIN 58568-0028(LT)

Chain 3

Page 2

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
18194	Deed	30 04 1924	John Cuthbert	George MIDDLETON
14125	Deed	13 09 1932	George Middleton	Bertha JOHNSTON
24966	Deed	05 09 1944	Bertha Johnston	Isabel COPELAND
25224	Deed	22 12 1944	Isabel Copeland	Orillia Securities Limited
29862	Deed	21 07 1948	Orillia Securities Limited	Mabel MCMURRAY
72962	Expro. Plan	20 08 1957	Mabel McMurray	Department of Highways
RO490136	Deed	16 08 1974	Her Majesty The Queen viz: The Minister of Transportation & Communications	The Corporation of The City of Orillia

THIS INDEX MAP SHOWS ALL
 PROPERTIES EXISTING IN
 BLOCK 58568 - SHEET 2
 ON SEPTEMBER 01, 2007

SCALE



PROPERTY INDEX MAP
 BLOCK 58568
 CITY OF ORILLIA
 TOWNSHIP OF
 ORO-MEDONTE
 COUNTY OF SIMCOE
 (OFFICE 51)

LEGEND

FREHOLD PROPERTY - SOLID BARY	—————
LEASEHOLD PROPERTY BOUNDARY	- - - - -
LIMITED INTEREST PROPERTY BOUNDARY	· · · · ·
FREHOLD PROPERTY NUMBER	0147
LEASEHOLD PROPERTY NUMBER	0147
LIMITED INTEREST PROPERTY NUMBER	0147
TOWNSHIP FURIC	-----
STREAMS, RIVERS	~~~~~
UNDERLYING FABRIC, EASEMENT	-----
UTM GRID	· · · · ·
ADJOINING MAP NUMBER	BLOCK 3148

THE UNIQUE IDENTIFIER FOR ANY PROPERTY (E.G. 00218 - 01371) IS
 COMPOSED OF THE FIVE BLOCK NUMBER (00218) AND THE FOUR DIGIT
 NUMBER (3147) WHICH APPEARS IN EACH ACTIVATED PROPERTY

NOTES

NORTH AMERICAN DATUM 1983
 UNIVERSAL TRANSVERSE MERCATOR PROJECTION
 ZONE 17 CENTRAL MERIDIAN 81W

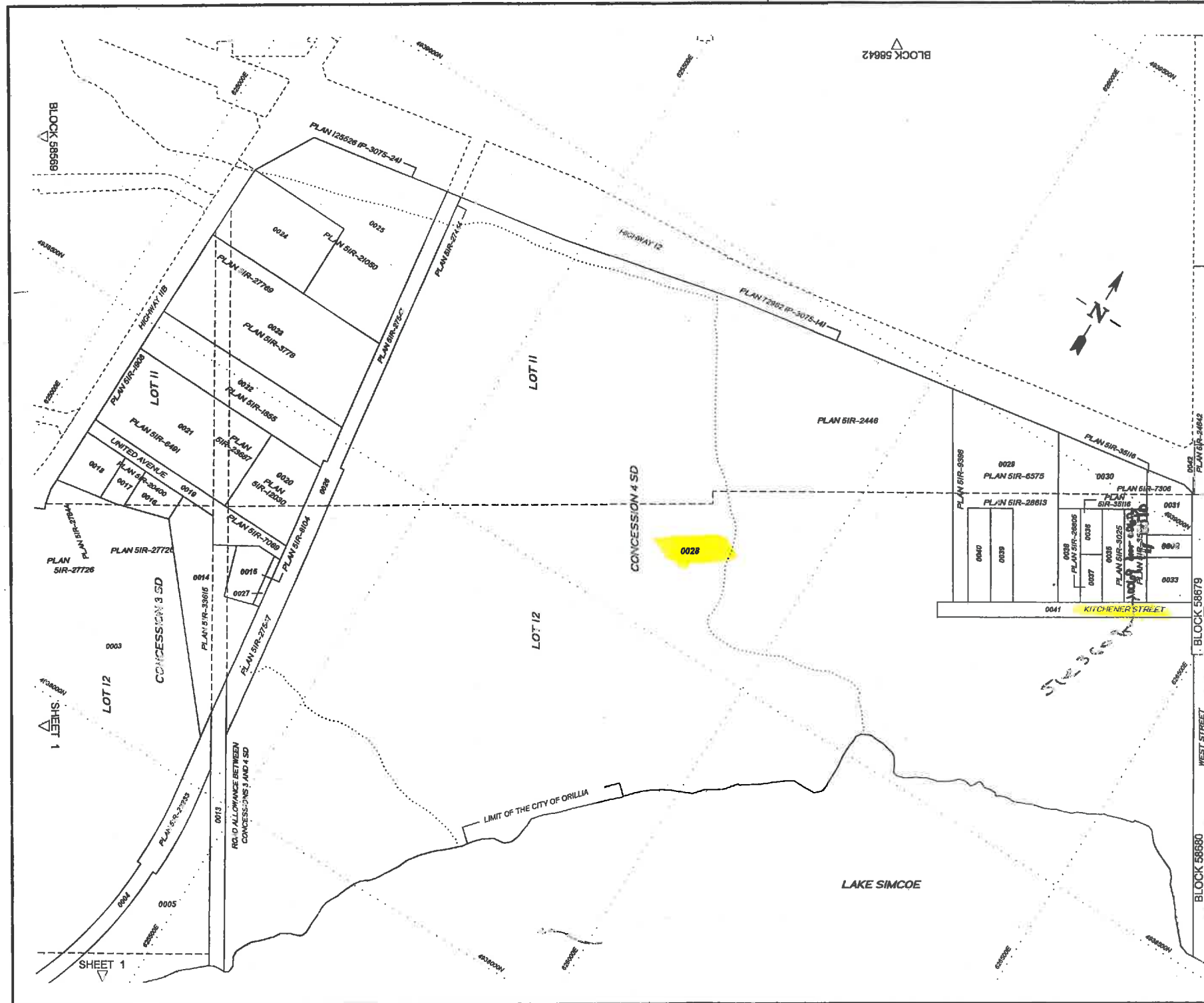
THIS IS NOT A PLAN
 OF SURVEY

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

FOR DIMENSIONS OF PROPERTY BOUNDARIES
 SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS
 ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT
 REFERENCE PLANS ARE NOT ILLUSTRATED





APPENDIX F

D-4 Assessment Area Summary



At Golder Associates we strive to be the most respected global company providing consulting, design, and construction services in earth, environment, and related areas of energy. Employee owned since our formation in 1960, our focus, unique culture and operating environment offer opportunities and the freedom to excel, which attracts the leading specialists in our fields. Golder professionals take the time to build an understanding of client needs and of the specific environments in which they operate. We continue to expand our technical capabilities and have experienced steady growth with employees who operate from offices located throughout Africa, Asia, Australasia, Europe, North America, and South America.

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Asia	+ 86 21 6258 5522
Australasia	+ 61 3 8862 3500
Europe	+ 356 21 42 30 20
North America	+ 1 800 275 3281
South America	+ 55 21 3095 9500

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