



# Canada's Primary Environmental Risk Information Service

**Project Site:** Flesherton Wind Farm  
8th Concession and 35 Side Road  
Flesherton, ON

**Client:** John Nicholson  
Environmental Business Consultants  
94 Riverwood Parkway  
Toronto, ON M8Y 4E9

**ERIS Project No:** 20090723001

**Report Type:** Custom Report - .25km Search Radius

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Report Type: Custom Report, 0.25 km Search Radius

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Water Well Information System

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Appendix: Database Descriptions

# Report Summary

Order Number: 20090723001  
 Site Name: Flesherton Wind Farm  
 Site Address: 8th Concession and 35 Side Road Flesherton, 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	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
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	0	0
DRL	Drill Hole Database	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Information System	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National 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	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0

## Report Summary

Order Number: 20090723001  
Site Name: Flesherton Wind Farm  
Site Address: 8th Concession and 35 Side Road Flesherton, ON  
Report Type: Custom Report, 0.25 km Search Radius

Database	Selected	On-site	Within 0.25	0.25km to 0.25km	Total
SPL Ontario Spills	Y	0	0	0	0
SRDS Wastewater Discharger Registration Database	Y	0	0	0	0
TANK Anderson's Storage Tanks	Y	0	0	0	0
TCFT Transport Canada Fuel Storage Tanks	Y	0	0	0	0
WDS Waste Disposal Sites - MOE CA Inventory	Y	0	0	0	0
WDSH Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0	0
WWIS Water Well Information System	Y	2	9	0	9
	TOTAL	2	9	0	9

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: Flesherton Wind Farm  
8th Concession and 35 Side Road  
Flesherton, ON

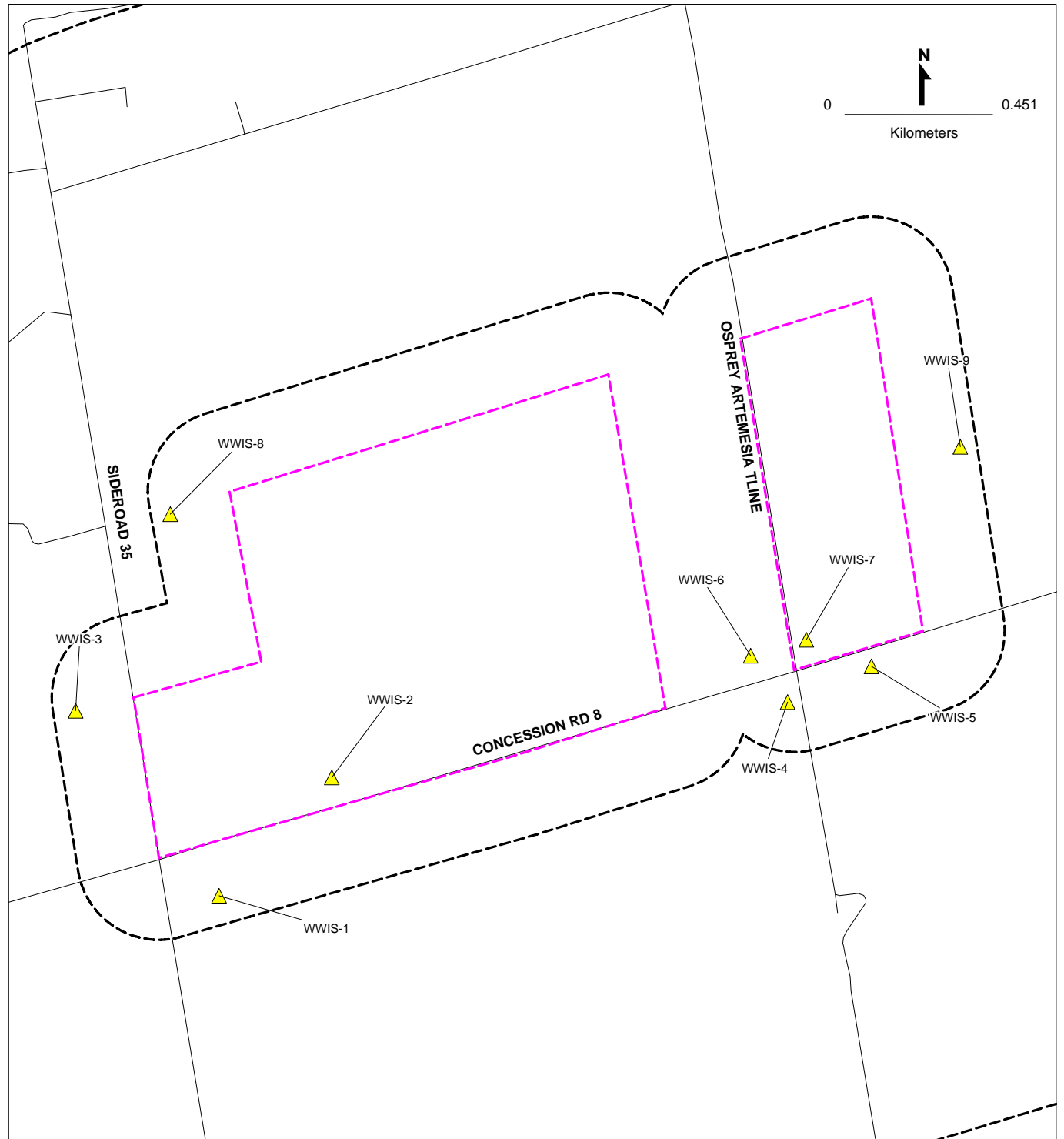
ERIS Project #: 20090723001

Date: JUL-28-2009

**LEGEND**

- |                                      |                                |
|--------------------------------------|--------------------------------|
| Project Property                     | <b>Landuse Classifications</b> |
| Database Location                    | Open Area                      |
| <b>Points of Interest</b>            | Residential                    |
| Chimney                              | Commercial                     |
| Silo                                 | Resource and Industrial        |
| <b>Pipe &amp; Transmission Lines</b> | Government and Institutional   |
| Pipeline                             | Parks and Recreational         |
| Transmission Line                    | Waterbody                      |
| Transmission Tower                   | <b>Recreation</b>              |
| Transformer Station                  | Golf Course/Driving Range      |
| <b>Rail</b>                          | Park/Sports Field              |
| Railway - Main                       | Other Recreation Area          |
| Railway - Sidetrack                  | Sports/Race Track              |
| Railway - Abandoned                  | Cemetery                       |
| Bridge                               | Campground                     |
| Tunnel                               | <b>Vegetation</b>              |
| <b>Transportation - Other</b>        | Wooded Area                    |
| Embankment                           | Orchard                        |
| Trail                                | Vineyard                       |
| Runway                               | <b>Industrial Resources</b>    |
| <b>Hydrographic Features</b>         | Conveyor                       |
| Permanent Waterway                   | Crane: Moveable                |
| Intermittent Waterway                | Crane: Stationary              |
| Open Reservoir                       | Tank                           |
| Dyke/Levee                           | Rock Cut                       |
| Dam                                  | Auto Wrecker                   |
| Breakwall                            | Lumber Yard                    |
| Wetland                              | Pit                            |

**SITE DIAGRAM**



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

Note: Topographic information not available for this area.

# Site Report

Order Number: 20090723001  
Site Name: Flesherton Wind Farm  
Site Address: 8th Concession and 35 Side Road Flesherton, ON  
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

## Water Well Information System

Map Key	Company Name	Address	City	Postal Code
WWIS-2		lot 37 con 9	ARTEMESIA TOWNSHIP	
WWIS-7		lot 1 con 9	OSPREY TOWNSHIP	

## Detail Report

Order Number: 20090723001

Site Name: Flesherton Wind Farm

Site Address: 8th Concession and 35 Side Road Flesherton 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.**

Water Well Information System

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-1		lot 36 con 8 ARTEMESIA TOWNSHIP	7046502	036	08		GREY	ARTEMESIA TOWNSHIP
			<b>Easting Nad83:</b>		542071			
			<b>Northing Nad83:</b>		4906560			
			<b>Zone:</b>		17			
			<b>Utm Reliability:</b>		margin of error : 10 - 30 m			
			<b>Construction Date:</b>		6/5/2007			
			<b>Primary Water Use:</b>		Livestock			
			<b>Secondary Water Use:</b>					
			<b>Well Depth (ft):</b>		142			
			<b>Pump Rate (gpm):</b>		14			
			<b>Static Water Level (ft):</b>		20			
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>		Clear			
			<b>Specific Capacity:</b>					
			<b>Final Well Status:</b>					
			<b>Construction Method:</b>		Rotary (Convent.)			
			<b>Flowing (y/n):</b>		N			
			<b>Elevation (ft):</b>					
			<b>Elevation Reliability:</b>					
			<b>Depth to Bedrock (ft):</b>					
			<b>Overburden/Bedrock:</b>					
			<b>Water Type:</b>					
			<b>Casing Material:</b>		STEEL			
WWIS-2		lot 37 con 9 ARTEMESIA TOWNSHIP	2507591	037	09	CON	GREY	ARTEMESIA TOWNSHIP
			<b>Easting Nad83:</b>		542414.3			
			<b>Northing Nad83:</b>		4906923			
			<b>Zone:</b>		17			
			<b>Utm Reliability:</b>		margin of error : 100 m - 300 m			
			<b>Construction Date:</b>		12/23/1981			
			<b>Primary Water Use:</b>		DOMESTIC			
			<b>Secondary Water Use:</b>					
			<b>Well Depth (ft):</b>		90			
			<b>Pump Rate (gpm):</b>		5			
			<b>Static Water Level (ft):</b>		33			
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>		CLEAR			
			<b>Specific Capacity:</b>		0.1			
			<b>Final Well Status:</b>		WATER SUPPLY			
			<b>Construction Method:</b>		CABLE TOOL			
			<b>Flowing (y/n):</b>		0			
			<b>Elevation (ft):</b>		1450			
			<b>Elevation Reliability:</b>		Read from topographic map, contour interval - 25 ft			
			<b>Depth to Bedrock (ft):</b>		32			
			<b>Overburden/Bedrock:</b>		Bedrock			
			<b>Water Type:</b>		FRESH			
			<b>Casing Material:</b>		OPEN HOLE			

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-3		lot 35 con 9 ARTEMESIA TOWNSHIP	2514192	035	09	CON	GREY	ARTEMESIA TOWNSHIP
			<b>Easting Nad83:</b>		541628.3			
			<b>Northing Nad83:</b>		4907122			
			<b>Zone:</b>		17			
			<b>Utm Reliability:</b>		unknown utm			
			<b>Construction Date:</b>		1/6/2000			
			<b>Primary Water Use:</b>		DOMESTIC			
			<b>Secondary Water Use:</b>					
			<b>Well Depth (ft):</b>		141			
			<b>Pump Rate (gpm):</b>		5			
			<b>Static Water Level (ft):</b>		55			
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>		CLEAR			
			<b>Specific Capacity:</b>					
			<b>Final Well Status:</b>		WATER SUPPLY			
			<b>Construction Method:</b>		ROTARY (CONVENT.)			
			<b>Flowing (y/n):</b>		0			
			<b>Elevation (ft):</b>					
			<b>Elevation Reliability:</b>		Unknown elevation			
			<b>Depth to Bedrock (ft):</b>		64			
			<b>Overburden/Bedrock:</b>		Bedrock			
			<b>Water Type:</b>		UNKNOWN			
			<b>Casing Material:</b>		STEEL			
WWIS-4		lot 40 con 8 ARTEMESIA TOWNSHIP	2510106	040	08	CON	GREY	ARTEMESIA TOWNSHIP
			<b>Easting Nad83:</b>		543808.3			
			<b>Northing Nad83:</b>		4907162			
			<b>Zone:</b>		17			
			<b>Utm Reliability:</b>		margin of error : 10 - 30 m			
			<b>Construction Date:</b>		8/28/1989			
			<b>Primary Water Use:</b>		DOMESTIC			
			<b>Secondary Water Use:</b>					
			<b>Well Depth (ft):</b>		128			
			<b>Pump Rate (gpm):</b>		10			
			<b>Static Water Level (ft):</b>		26			
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>		CLOUDY			
			<b>Specific Capacity:</b>		0.2			
			<b>Final Well Status:</b>		WATER SUPPLY			
			<b>Construction Method:</b>		ROTARY (CONVENT.)			
			<b>Flowing (y/n):</b>		0			
			<b>Elevation (ft):</b>		1475			
			<b>Elevation Reliability:</b>		Read from topographic map, contour interval - 25 ft			
			<b>Depth to Bedrock (ft):</b>		10			
			<b>Overburden/Bedrock:</b>		Bedrock			
			<b>Water Type:</b>		FRESH			
			<b>Casing Material:</b>		STEEL			

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-5		lot 1 con 8 OSPREY TOWNSHIP	2502990	001	08	CON	GREY	OSPREY TOWNSHIP
			<b>Easting Nad83:</b>		544064.3			
			<b>Northing Nad83:</b>		4907273			
			<b>Zone:</b>		17			
			<b>Utm Reliability:</b>		margin of error : 30 m - 100 m			
			<b>Construction Date:</b>		8/5/1969			
			<b>Primary Water Use:</b>		DOMESTIC			
			<b>Secondary Water Use:</b>					
			<b>Well Depth (ft):</b>		90			
			<b>Pump Rate (gpm):</b>		1			
			<b>Static Water Level (ft):</b>		33			
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>		CLEAR			
			<b>Specific Capacity:</b>		0			
			<b>Final Well Status:</b>		WATER SUPPLY			
			<b>Construction Method:</b>		CABLE TOOL			
			<b>Flowing (y/n):</b>		0			
			<b>Elevation (ft):</b>		1550			
			<b>Elevation Reliability:</b>		Read from topographic map, contour interval - 25 ft			
			<b>Depth to Bedrock (ft):</b>		7			
			<b>Overburden/Bedrock:</b>		Bedrock			
			<b>Water Type:</b>		FRESH			
			<b>Casing Material:</b>		OPEN HOLE			
WWIS-6		lot 40 con 9 ARTEMESIA TOWNSHIP	2503182	040	09	CON	GREY	ARTEMESIA TOWNSHIP
			<b>Easting Nad83:</b>		543694.3			
			<b>Northing Nad83:</b>		4907303			
			<b>Zone:</b>		17			
			<b>Utm Reliability:</b>		margin of error : 30 m - 100 m			
			<b>Construction Date:</b>		5/28/1970			
			<b>Primary Water Use:</b>		STOCK			
			<b>Secondary Water Use:</b>		DOMESTIC			
			<b>Well Depth (ft):</b>		125			
			<b>Pump Rate (gpm):</b>		5			
			<b>Static Water Level (ft):</b>		40			
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>		CLEAR			
			<b>Specific Capacity:</b>		0.2			
			<b>Final Well Status:</b>		WATER SUPPLY			
			<b>Construction Method:</b>		CABLE TOOL			
			<b>Flowing (y/n):</b>		0			
			<b>Elevation (ft):</b>		1550			
			<b>Elevation Reliability:</b>		Read from topographic map, contour interval - 25 ft			
			<b>Depth to Bedrock (ft):</b>		23			
			<b>Overburden/Bedrock:</b>		Bedrock			
			<b>Water Type:</b>		FRESH			
			<b>Casing Material:</b>		OPEN HOLE			

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-7		lot 1 con 9 OSPREY TOWNSHIP	2505645	001	09	CON	GREY	OSPREY TOWNSHIP
			<b>Easting Nad83:</b>		543864.3			
			<b>Northing Nad83:</b>		4907353			
			<b>Zone:</b>		17			
			<b>Utm Reliability:</b>		margin of error : 100 m - 300 m			
			<b>Construction Date:</b>		4/26/1976			
			<b>Primary Water Use:</b>		DOMESTIC			
			<b>Secondary Water Use:</b>					
			<b>Well Depth (ft):</b>		110			
			<b>Pump Rate (gpm):</b>		6			
			<b>Static Water Level (ft):</b>		35			
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>		CLEAR			
			<b>Specific Capacity:</b>		0.1			
			<b>Final Well Status:</b>		WATER SUPPLY			
			<b>Construction Method:</b>		CABLE TOOL			
			<b>Flowing (y/n):</b>		0			
			<b>Elevation (ft):</b>		1550			
			<b>Elevation Reliability:</b>		Read from topographic map, contour interval - 25 ft			
			<b>Depth to Bedrock (ft):</b>		22			
			<b>Overburden/Bedrock:</b>		Bedrock			
			<b>Water Type:</b>		FRESH			
			<b>Casing Material:</b>		OPEN HOLE			
WWIS-8		lot 36 con 9 ARTEMESIA TOWNSHIP	2506143	036	09	CON	GREY	ARTEMESIA TOWNSHIP
			<b>Easting Nad83:</b>		541914.3			
			<b>Northing Nad83:</b>		4907723			
			<b>Zone:</b>		17			
			<b>Utm Reliability:</b>		margin of error : 100 m - 300 m			
			<b>Construction Date:</b>		6/22/1977			
			<b>Primary Water Use:</b>		DOMESTIC			
			<b>Secondary Water Use:</b>					
			<b>Well Depth (ft):</b>		138			
			<b>Pump Rate (gpm):</b>		10			
			<b>Static Water Level (ft):</b>		32			
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>		CLEAR			
			<b>Specific Capacity:</b>		0.4			
			<b>Final Well Status:</b>		WATER SUPPLY			
			<b>Construction Method:</b>		CABLE TOOL			
			<b>Flowing (y/n):</b>		0			
			<b>Elevation (ft):</b>		1475			
			<b>Elevation Reliability:</b>		Read from topographic map, contour interval - 25 ft			
			<b>Depth to Bedrock (ft):</b>		11			
			<b>Overburden/Bedrock:</b>		Bedrock			
			<b>Water Type:</b>		FRESH			
			<b>Casing Material:</b>		OPEN HOLE			

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-9		lot 2 con 9 OSPREY TOWNSHIP	2513739	002	09	CON	GREY	OSPREY TOWNSHIP
			<b>Easting Nad83:</b>	544331.3				
			<b>Northing Nad83:</b>	4907945				
			<b>Zone:</b>	17				
			<b>Utm Reliability:</b>	unknown utm				
			<b>Construction Date:</b>	11/4/1998				
			<b>Primary Water Use:</b>	DOMESTIC				
			<b>Secondary Water Use:</b>	STOCK				
			<b>Well Depth (ft):</b>	142				
			<b>Pump Rate (gpm):</b>	11				
			<b>Static Water Level (ft):</b>	45				
			<b>Flow Rate (gpm):</b>					
			<b>Clear/Cloudy:</b>	CLEAR				
			<b>Specific Capacity:</b>					
			<b>Final Well Status:</b>	WATER SUPPLY				
			<b>Construction Method:</b>	ROTARY (CONVENT.)				
			<b>Flowing (y/n):</b>	0				
			<b>Elevation (ft):</b>					
			<b>Elevation Reliability:</b>	Unknown elevation				
			<b>Depth to Bedrock (ft):</b>	9				
			<b>Overburden/Bedrock:</b>	Mixed in a Layer				
			<b>Water Type:</b>	UNKNOWN				
			<b>Casing Material:</b>	OPEN HOLE				

## 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 Mar 2008**

**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 databases provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

#### **Abandoned Mines Information System 1800-2005**

**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.

#### **Certificates of Approval 1985-Sept 2002**

**CA**

This database contains the following types of approvals: Certificates of Approval (Air) issued under Section 9 of the Ontario EPA; Certificates of Approval (Industrial Wastewater) issued under Section 53 of the Ontario Water Resources Act ("OWRA"); and Certificates of Approval (Municipal/Provincial Sewage and Waterworks) issued under Sections 52 and 53 of the OWRA. For more current Certificate of Approval information please see the EBR database, which will include information such as 'Approval for discharge into the natural environment other than water (i.e. Air) (EPA s.9)', and Approval for sewage works (OWRA s.53(1)).

#### **TSSA Commercial Fuel Oil Tanks 1948-Jan 2009**

**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.

#### **Coal Gasification Plants 1987, 1988\***

**COAL**

This inventory of all known and historical coal gasification plants was collected by the Ministry of Environment. 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, landuse, soil condition, site operators/occupants, site description, and potential environmental impacts. This information is effective to 1988, but the program has since been discontinued.

**Compliance and Convictions 1989-Apr 2009**

**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.

**Drill Holes 1886-2005**

**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 Registry 1994-Apr 2009**

**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, licence, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes things like; Approval for discharge into the natural environment other than water (i.e. Air), Permit to Take Water (PTTW), Certificate of Property Use (CPU), Approval for a waste disposal site, Order for preventative measures.(EPA s. 18), Order for conformity with Act for waste disposal sites.(EPA s. 44), Order for remedial work.(EPA s. 17) and many more.

**TSSA Fuel Storage Tanks Current to Dec 2008**

**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-Mar 2009**

**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.

**Mineral Occurrences 1846-Sept 2008**

**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), 1994-2007**

**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-Jan 2009**

**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. Information available for all wells in the ERIS database include well owner/operator, location, permit start date, well cap date, licence number, status, depth and the primary target (rock unit) of the well being drilled.

**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.

**Pesticide Register 1988-Nov 2008**

**PES**

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

**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).

**Ontario Regulation 347 Waste Receivers Summary 1986-2005**

**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-Apr 2009**

**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. Information available includes Registration Number, Filing Owner, Property Address, Filing Date and Municipality.

**Ontario Spills 1988-2008**

**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 1990-2006**

**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).

**Waste Disposal Sites - MOE CA Inventory 1970-Sept 2002**

**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. For more current information for Waste Disposal Sites please see the EBR database, which will include information such as 'Approval for a waste disposal site (EPA s.27)' and 'Approval for use of a former waste disposal site (EPA s.46)'.

**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 1955-2008**

**WWIS**

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. Geographic coordinates are reliable according to the given percentage. Wells that are identified with lot and concession only are now also included in the database and is no longer provided as a separate report.

**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-Jan 2002**

**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-May 2009**

**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-Oct 2007**

**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-June 2004**

**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 1993-2007**

**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 of 178 specified 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-Feb 2009**

**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-Feb 2009**

**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-Apr 2009**

**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 1998-2006**

**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-Mar 2009**

**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](http://www.nickles.com).

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

**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-Feb 2009**

**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-Jun 2008**

**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.*