

Appendix: Nova Scotia 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 Mine Openings Up to Apr 2011

ABMN

This is a listing of over 7000 abandoned mine opening in the province of Nova Scotia and includes information such as name of mine, shaft id, mineral, location, type, original depth, designated hazard, and last time the shaft was visited. Geographic coordinates are available for all records. This data was obtained from the NS Ministry of Natural Resources, Minerals and Energy Branch.

Drill Holes 1900-Apr 2011

DRL

The Mineral Resource Branch (MRB) of the NS Department of Natural Resources (NSDNR). This database contains information on diamond drill holes in Nova Scotia, most of which were drilled for the purpose of mineral and petroleum exploration. Information for over 20,000 drill hole records includes: location (place, northings and eastings), depth of hole, exploration company, year drilled, licensee, and mineralization.

Commercial Fisheries 2000-Mar 2009

FISH

The Department of Fisheries & Aquaculture maintains a directory of fish processing plants in Nova Scotia. The database provides information on fish processor name, location, products produced and market sold to.

Fuel Oil Retailer and Wholesaler Approval 1998-Nov 2010

FUEL

Approvals are required for anyone retailing/wholesaling fuel oil and/or motive fuel (gasoline or diesel) in Nova Scotia. This database includes approvals for Motive Fuel Retailer/Wholesaler Approvals, and Fuel Oil Retailer/Wholesaler Approvals. The different classifications for Motive Fuel Retailer Approvals include: attended service outlet, attended/self service outlet, self-service outlet, marina outlet, and restricted access outlet (key/cardlocks facilities). This data is obtained from Nova Scotia Environment.

Waste Generators Summary 1990-Aug 2001*

GEN

Under the Dangerous Goods Management Regulation (N.S. Reg 178/96), anyone who wishes to generate waste dangerous goods must register with the Nova Scotia Department of Environment & Labour. This database only contains information in regard to the company that registered, site information, and registration number. Please note that a company registration does not expire and site waste descriptions are not available. This information is no longer collected by the Nova Scotia Department of Environment.

Mineral Occurrences 1800-Apr 2011

MNR

The NS mineral occurrence database provides information on documented metallic and industrial minerals. Data is provided regarding the geographical location of each occurrence, occurrence number and name, commodity type, mineral characteristic and status. *Please note the following disclaimer: The NS Depart of Natural Resources has long maintained separate card-file inventories of the provinces mineral occurrences. Unfortunately, these inventories are lacking in that they are incomplete, fraught with erroneous data and do not include many mineral occurrences discovered since the mid 1970's. Since 1993, the database has undergone considerable clean up, but one should not conclude that the database houses information on all mineral occurrences in the province.*

Offshore Wells 1967-Apr 2011

OFSW

The Canada-Nova Scotia Offshore Petroleum Board maintains a database of all offshore wells drilled since 1967. Reference information is provided on the well name, drilling unit, company name, spud date, rig release date, well depth, classification, status, and whether the well is considered a “significant discovery”.

Onshore Wells 1869-Oct 2003*

ONSW

Under the Energy Resources Conservation Act and the Petroleum Resources Act, the Nova Scotia Petroleum Directorate maintains a database of all onshore wells drilled since 1869. Reference information is provided on the well name, well no., ground elevation and general geographic location, geographic coordinates are not available. Please note that this database will not be updated, information on wells drilled after October 2003 can be found in the Oil and Gas Wells (OGW) database under the ‘Private Source Database’ section.

Waste Receivers Summary 1990-Aug 2001*

REC

Under the Dangerous Goods Management Regulation (N.S. Reg 178/96), anyone who wishes to receive waste dangerous goods must register with the Nova Scotia Department of Environment & Labour. A person seeking "receiver" approval may also have to obtain approval for the facility to be used for storage under the “Activities Designation Regulations” which requires approvals to be made pursuant to the Environment Act, Statutes of Nova Scotia, 1994-95, Chapter 1, Section 66. This database only contains information in regard to the company that registered, site information, and registration number. Please note that a company registration does not expire and site waste descriptions are not available. This information is no longer collected by the Nova Scotia Department of Environment..

Waste Disposal Site Inventory 2000-May 2011

WDS

This is a listing of all waste disposal sites in Nova Scotia including: Municipal Solid Waste Disposal Sites, Construction and Demolition Debris Disposal Sites, Organic Composting Facilities, Recycling Facilities, and Enviro Depots.

Water Well Information System 1975-2007

WWIS

This database is taken from the Well Log Database Management System compiled by the Nova Scotia Department of the Environment. The Well Logs database logs all wells dug or drilled in the province. There are approximately 65,000 records but none of the records have coordinates. This is a very comprehensive database with information such as: well owner, location, yield, use, depth, status, well type, and stratigraphy. Note: The well location may be the actual location of the well or the well driller address.

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-Sept 2011

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 Energy Board Wells 1920-Feb 2003*

NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date. Data is not available after Feb 2003.

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.

Private Source Databases:

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 2000-Jun 2010

CHEM

This database includes a listing of locations of facilities within Nova Scotia that either manufacture and/or distribute chemicals.

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 1988-2011

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 known fuel outlet locations (including marinas) that have on their property gasoline, waste oil, natural gas and/or gas propane storage tanks.

Scott's Manufacturing Directory 2000-Mar 2011

SCT

Scott's Directories is a data bank containing information on over 4500 manufacturers in Nova Scotia. Even though Scott's listings are voluntary, it is the most comprehensive database of Nova Scotia manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.