DATACRUNCH

Census 2006 Issue

►http://www12.statcan.ca/english/census/index.cfm

Population and Dwelling Counts

These tables provide population and dwelling count data established by the 2006 Census of Canada. The levels of geography covered are Canada, provinces and territories, and other geographic areas including census subdivisions, census metropolitan areas and census agglomerations.

For selected geographies, the tables provide percentage of change in the population counts between 2001 and 2006. Data are also provided for land area and population density. Many tables have sorting capabilities that allow the data in a column to be arranged in descending or ascending order. Geographic boundaries used are those in effect on January 1, 2006.

►http://www12.statcan.ca/english/census06/data/popdwell/Tables.cfm

2006 Community Profiles

The Community Profiles provide census data for close to 5,400 communities, as well as for large and smaller metropolitan areas.

These profiles contain free information for all Canadian communities (cities, towns, villages, Indian reserves and settlements, etc.), for counties or their equivalents and for metropolitan areas. Definitions, data quality indexes, notes and other supporting text are provided online.

►http://www12.statcan.ca/english/census06/data/profiles/community/Index.cfm?Lang=E

Portrait of the Canadian Population in 2006

A web-only report presenting highlights of the population and dwelling count release from the 2006 Census of Population. Numerous coloured maps, figures and tables help to illustrate trends and geographic patterns in the population data.

►http://www12.statcan.ca/english/census06/analysis/popdwell/index.cfm

2006 Census Dictionary

To be released over the course of the next year, the 2006 Census Dictionary contains a comprehensive list definitions of terms used in census products.

At the moment, only the A to Z index and the dwelling and geographic definitions are available, with remaining definitions, handbook content and appendices to be released in stages. Hard copies of the dictionary will not be available until spring of 2008.

►http://www12.statcan.ca/english/census06/reference/dictionary/index.cfm

2006 Census Reference Materials

As part of the 2006 Census release, Statistics Canada has provided an extensive collection of reference materials online, including:

- Definitions and glossaries
- Questionnaires in English, French and 62 other languages, including 18 indigenous tongues
- Data quality discussions
- Historical census information
- 2006 Census Teacher's Kit
- Notes and appendices

►http://www12.statcan.ca/english/census06/reference/index.cfm

Census Geography Products:

Many of the geographic products associated with the 2006 Census are now freely available online.

Geosearch: an online search & mapping tool that allows users to zoom in to a particular area, in some cases to the level of dissemination blocks.

►http://geodepot.statcan.ca/GeoSearch2006/GeoSearch2006.jsp?resolution=H&lang=E&otherLang=F

Road Network File

Digital representation of Canada's road network, including street names, type, direction and address ranges. Files are available for the entire country or each individual province in ARC, MapInfo or GML format.

►http://geodepot.statcan.ca/Diss2006/DataProducts/RNF2006_e.jsp

Boundary Files

Free digital, cartographic and water feature files for the provinces and territories at geographic levels down to census subdivisions (CSD). Files are in ARC, MapInfo or GML format. Users requiring greater geographic detail must order files from Statistics Canada.

►http://geodepot.statcan.ca/Diss2006/DataProducts/BoundaryFiles_e.jsp

Standard Geographical Classification Reference Maps

This release supersedes the 2001 edition as the official classification for geographical areas used for the 2006 Census and other Statistics Canada surveys. Provides a searchable database of maps that are available for download as PDFs at no charge.

►http://geodepot.statcan.ca/Diss2006/Maps/SGC2006_e.jsp?series=CD-CSD

Geography Reference Guides

►http://geodepot.statcan.ca/Diss2006/Reference/Guides_e.jsp

Geosuite 2006

GeoSuite lets users explore the links between standard levels of geography and to determine geographic codes, names, and population and dwelling counts. Contact Data & GIS Library for more information.

Upcoming Census Product Release Dates

Please note that these are *projected* release dates and are subject to change.

2007

■ July 12, 2007: Forward Sortation Area (FSA) boundaries and population counts

■ July 17, 2007: Age and sex

■ September 12, 2007: Marital status (including common-law status)

Families and households

Housing and shelter costs (including dwelling characteristics)

■ December 4, 2007: Language

Mobility and migration

Immigration and citizenship

2008

■ January 15, 2008: Aboriginal peoples

■ March 4, 2008: Labour (including labour market activity, industry and occupation)

Place of work and commuting to work (including mode of transportation)

Education

Language (including language of work)

■ April 2, 2008: Ethnic origin and visible minorities

■ May 1, 2008: Income and earnings

Housing and shelter costs

2006 Census of Agriculture

The first data products based on the 2006 Census of Agriculture will be released May 16, when the farm and operator data, agriculture region boundary files, and reference maps will be made available through the Statistics Canada web site. Agriculture community profiles, historical data from the Census of Agriculture, and the ecumene boundary files are scheduled for release in the fall of 2007 or spring of 2008.
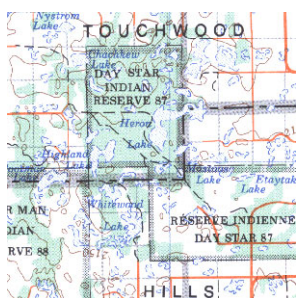
NTDB Data Now Free of Charge

The Government of Canada is now providing free online access to national digital mapping data.

Digital versions of Canada's National Topographic Series of maps are now available at no cost. Minister of Natural Resources, Gary Lunn, announced that as of April 1st, 2007, Natural Resources Canada (NRCan) will make electronic topographic mapping data, also known as the National Topographic Data Base (NTDB), available free of charge over the Internet.

"Our Government recognizes the importance of providing Canadians with access to the latest digital mapping information at no cost," said Lunn. "Not only will Canadians now have free access to digital maps, but Canada will be known as an important source for digital mapping data around the world."[1]

Access to these digital files is now available through the Geogratis portal over the Internet (http://geogratis.gc.ca). NTDB digital vector layer files are used specifically within a Geographic Information Systems (GIS) framework.

Each NTDB sheet consists of a number of individual layers that can be viewed separately or as a composite map: transportation, hydrology, cultural features, boundaries, physiography, vegetation and contours.

NTDB also contains CANMatrix files which are digital versions or snapshots of entire National Topographic Series (NTS) map sheets

The CANMatrix files, which are geo-referenced image files, can be viewed through any GIS or image analysis system, or simply can be viewed using any image or graphics application.

The NTDB provides an excellent base for GIS and other desktop mapping applications: display and analysis of the data; adding one's own geographic or attribute data, and much more.

[1] Government of Canada, Natural Resources Canada, http://www.news.gc.ca:80/cfmx/view/en/index.jsp?articleid=290039 &

National Summer Institute for Statistical & GIS Analysis of Crime and Justice Data

The National Summer Institute (NSI) is an intensive, seven-day, hands-on workshop conducted each summer at the University of Regina. Participants should have some background preparation in statistics, such as a university course. However, no background in GIS (mapping data) is required.

The institute is open to roughly 40 participants from across the country, and is intended for academics, researchers, graduate students, and practitioners in the field (such as police, justice workers, etc.)

The scheduled dates for the 2007 Summer Institute are June 17 – 23.

The guest speakers at this year's NSI will be:

Marnie Wallace, Senior Policy Analyst with the Canadian Centre for Justice Statistics,

Dr. Paul Brantingham, Professor of Criminology and RCMP University Research Chair in Crime Analysis, Simon Fraser University

For detailed information, visit the NSI website:

http://www.uregina.ca/arts/NSI/

Online Economic Resources @ Statistics Canada

Canadian Economy Online: compendium of resources about Canada's economy: indicators, key topics, inflation calculators, etc.

►http://www.canadianeconomy.gc.ca/english/economy/

System of National Economic Accounts: provides current economic information about national and provincial economies.

►http://www.statcan.ca/english/nea-cen/

Survey & Documentation Analysis at U of Toronto

Data & GIS Library Services recently subscribed to the Survey and Documentation Analysis (SDA) interface via CHASS at the University of Toronto.

Developed at the University of Berkeley, SDA is a set of web-based programs for survey analysis.

Codebooks: SDA programs can produce codebooks for printing or for browsing online. The documentation for each study contains complete variable descriptions, indexes to the variables, and any study-level information that's available.

Analysis: User can also analyze the data from the studies documented here. Cross-tabulation, the comparison of means, the comparison of correlations and other analytical tools are available online. Data analysis programs in the package are designed to be run from within a web browser. SDA provides analysis results very quickly -- even on large datasets.

Subsetting: Another procedure available in the web archive allows users to generate and download a subset of many of the data files. In addition to generating the data file, the subset procedure produces a codebook for the subset and data definitions for SAS, SPSS, Stata and DDI (XML).

Although the U of T's SDA interface consists of primarily Canadian survey data, there are microdata sets available from a number of American and international studies as well. You can access the SDA through the Data Library Services home page. Look for "Survey and Documentation Analysis Interface" under Web Access to Statistics Canada Data.

New Data Sets

Social Policy Simulation Database / Model (SPSD/M), version 14.2 - The SPSD/M is a simulation tool consisting of a database, a series of tax/transfer algorithms and models, analytical software and user documentation. The SPSD/M allows researchers to answer "what-if" types of questions regarding the income effects or cost implications of changes in the personal taxation and cash transfer system.

NTDB Digital Mapping products (see article above for details.) – available online from geogratis.gc.ca

Canada Survey of Giving, Volunteering and Participating: 2004 Public Use Microdata File - The survey examines how Canadians support individuals and communities, whether on their own or through involvement with charitable and nonprofit organizations.

Financial Performance Indicators for Small Business, 2003 – 2005

Canadian Business Patterns June & December 2006

PCCF+ version 4J: Automated geographic coding using the Statistics Canada Postal Code Conversion Files (includes postal codes through September 2006)

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