

## 2. Digital Geography Products

There are two types of digital geography products. One contains attribute information and comprises the Block-face Data File, the Postal Code Conversion File, the Postal Code Population Weight File, the Postal Codes by Federal Ridings File and GeoSuite (formerly GeoRef). The other type contains spatial information and consists of the digital boundary files and digital cartographic files, street network files, street network and feature extension files and skeletal street network files.

### Description

#### Attribute Information:

**Block-face Data File (BFDF)** – This file contains 1996 population and dwelling counts for the block-faces of urban centres covered by the street network files. A block-face is generally one side of a city street between two consecutive intersections; it is also the smallest geographic unit available from Statistics Canada. The BFDF also links the block-face to all other levels of standard geography (enumeration areas and above) through geographic codes. The file contains street names with address ranges as well as coordinates for a point representing the approximate centre of each block-face. A reference guide is included.

**Postal Code Conversion File (PCCF)** – This file provides the relationship between Canada Post Corporation's six-character postal codes and the standard 1996 Census geographic areas (enumeration areas, municipalities, census tracts and so on). It also provides the x, y coordinates for a point representing the approximate location of the postal code to support mapping. A reference guide is included.

**Postal Code Population Weight File** – The Postal Code Population Weight File has been created as a supplementary product to the Postal Code Conversion File (PCCF). It provides users with a population "weight" for postal codes with multiple links on the PCCF. The weight associated with each record on the Postal Code Population Weight File represents the proportion of the population reporting the postal code within a specific enumeration area.

#### Postal Codes by Federal Ridings File (PCFRF) (1996 Representation Order)

– This ASCII file provides a link between six-character postal codes and federal electoral districts. A federal electoral district is any place or territory entitled to elect a Member of Parliament (MP) to sit in the House of Commons.

The PCFRF is intended as a tool for use with administrative files containing postal codes. By using the postal code as a link, data from administrative files can be organized or tabulated by federal riding. With this PCFRF, more than 700,000 postal code records can be linked to the 301 federal electoral districts (1996 Representation Order). Semi-annual updates are available in January and July. Updates released in July include new postal codes effective in January of the release year, while updates issued in January include new postal codes in use in July of the previous year. A reference guide is included.

**GeoSuite (formerly GeoRef)** – This is a powerful data retrieval and tabular output tool with software and data on a CD-ROM. Users can explore the links between standard geographic levels and determine geographic codes, names, and population and dwelling counts. GeoSuite also provides EA correspondence data (for 1996 Census EAs and 1991 Census EAs) and an EA reference map listing that facilitates identification of appropriate EA reference maps.

#### Spatial Information:

**Digital boundary files (DBFs) and digital cartographic files (DCFs)** – Digital boundary files show the official boundaries used for census collection. As a result, the boundaries often appear as straight lines extending into bodies of water. In digital cartographic files, the boundaries have been altered to follow the coastlines and shorelines of Canada's land mass, including major islands.

**Street network files (SNFs)** – These are digital files representing the street networks for most large urban centres in Canada. They also contain other visible physical and cultural features (such as hydrography, railroads and pipelines) and attribute information (e.g., street names, hydrographic names and address ranges for streets with assigned addresses). Streets and addresses are updated to reflect the information collected on Census Day, May 14, 1996. In combination with appropriate software owned by the user, street network files are useful for mapping, site location analysis and planning of service delivery. A reference guide is included.

### **Street Network and Feature Extension Files**

**(SNFEFs)** - The street network and feature extension files (SNFEFs) are digital files that extend the coverage of the street network files (SNFs) to the defined limits of the census metropolitan area/census agglomeration (CMA/CA). The SNFEFs contain all the features of the SNFs plus a road and feature network from the National Topographic Data Base (NTDB) extending from the SNF coverage to the CMA/CA limit.

**Skeletal street network files (SSNFs)** – These are “thinned out” street network files consisting of cartographic reference features such as major streets (with street names but no address ranges) and some railway features used to define census tract boundaries.

### **Other geographic products**

Users are reminded that there are geographic products in other categories, such as reference maps, population and dwelling counts, postal code counts, and geography custom products and services. An overview of these geographic products and services is provided in Appendix A.

### **Geographic areas**

Digital geography products are disseminated for a number of standard geographic areas. These areas are either administrative or statistical.

#### **Administrative areas**

Provinces and territories  
Federal electoral districts (FEDs)\*  
Census divisions (CDs)  
Census subdivisions (CSDs)  
Designated places (DPLs)  
Postal codes (FSAs and LDUs)

- Most products are available for the 1987 Representation Order and some for the 1996 Representation Order.

### **Statistical areas**

Census agricultural regions (CARs)  
Economic regions (ERs)  
Census consolidated subdivisions (CCSs)  
Census metropolitan areas (CMAs)  
Census agglomerations (CAs)  
Consolidated census metropolitan areas  
Consolidated census agglomerations  
Primary census metropolitan areas (PCMAS)  
Primary census agglomerations (PCAs)  
Census tracts (CTs)  
Urban core, urban fringe and rural fringe  
Urban areas (UAs)  
Rural areas  
Enumeration areas (EAs)

### **Media**

The dissemination media – CD-ROM, diskette or paper – depends on the product. Some products are available in more than one medium. Spatial information files are provided in MapInfo™ for Windows™ and ARC/INFO® EXPORT format. Coordinates in the digital files are given in latitude and longitude and are based on the NAD27 datum.

### **Prices**

The prices of digital geography products depend on various factors, including their geographic coverage. For the 1996 Census, the prices of many geography products have been lowered.

## 2.1 Attribute Information

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### ➤ **Block-face Data File (BFDF)**

The Block-face Data File (BFDF) contains 1996 Census population and dwelling counts for block-faces in urban centres covered by the street network files (92F0024XDE). A block-face is generally one side of a city street between two consecutive intersections; it is also the smallest geographic unit available from Statistics Canada. The BFDF also links the block-face to all other levels of standard geography (enumeration areas and above) through geographic codes. The file includes street names with address ranges, as well as x, y (latitude/longitude) coordinates for a point representing the approximate centre of each block-face. A reference guide is included.

Block-face data files are available for areas that have corresponding street network files (92F0024XDE), such as areas within census metropolitan areas (CMAs) and census agglomerations (CAs) with census tracts.

**Catalogue No.:** 92F0026XDB  
**Release:** February 1998  
**Media:** Diskette  
**Price:** Block-face data files are packaged by CMAs and CAs. Price is \$2,000 for Canada; \$100 to \$300, depending on the CMA/CA.

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### ➤ **Postal Code Conversion File (PCCF)**

The Postal Code Conversion File (PCCF) provides a link between the six-character postal code and the standard 1996 Census geographic areas (such as enumeration areas, municipalities and census tracts). It also provides the x, y (latitude/longitude) coordinates for a point representing the approximate location of the postal code to support mapping. A reference guide is included.

The PCCF is updated on a semi-annual basis. Updates released in July provide new postal codes as of January of the release year. Updates released in January provide new postal codes as of July of the previous year. Clients must purchase the Postal Code Conversion File at the initial cost; then, subsequent updated files (92F0027UDB) may be purchased at the update or subscription rate.

**Catalogue No.:** 92F0027XDB  
**Release:** December 4, 1997  
**Media:** Diskette  
**Price:** The PCCF is available as standard packages for Canada, provinces and territories, census metropolitan areas (CMAs) and some census agglomerations (CAs). Initial cost: \$9,000 for Canada; \$200 to \$3,550, depending on the province or territory; \$200 to \$1,450, depending on the CMA/CA. Clients who purchase the PCCF at the initial cost may purchase the updates at a flat rate that, in most cases, is much lower than the initial purchase price. An additional 25% discount on updates is given to PCCF update subscribers. The subscription will require that they pay in advance for at least one updated file per year until the PCCF reflecting the geography of the 2001 Census is released. CD-ROMs may be available for large files/orders.

### ➤ **Postal Code Conversion File (PCCF) - Update**

Clients must purchase the Postal Code Conversion File (92F0027XDB) at the initial cost; then, subsequent updated files may be purchased at the update rate.

**Catalogue No.:** 92F0027UDB  
**Release:** July 1998  
**Media:** Diskette  
**Price:** Update - Flat rate: \$1,500 for Canada; \$100 to \$600, depending on the province or territory  
Update - Subscription rate: \$1,125 for Canada; \$75 to \$450, depending on the province or territory  
CD-ROMs may be available for large files/orders.

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### ➤ **Postal Code Population Weight File**

**NEW**

The Postal Code Population Weight File has been created as a supplementary product to the Postal Code Conversion File (PCCF). It provides users with a population “weight” for postal codes with multiple links on the PCCF. The weight associated with each record on the Postal Code Population Weight File represents the proportion of the population reporting the postal code within a specific enumeration area.

Only a small percentage of postal codes are linked to more than one enumeration area on the PCCF (4%). However, these postal codes tend to serve relatively large areas and large populations. The weights will allow users to allocate their data proportionally to the population distribution reported in the 1996 Census.

This file can also be used in combination with the PCCF to identify those postal code to enumeration area links confirmed by census-reported code data.

**Catalogue No.:** 93F0040XDB  
**Release:** August 1998  
**Media:** Diskette  
**Price:** \$2,700.00

**Price Note:**

Clients who have purchased the PCCF (92F0027XDB) at the initial cost may purchase the Postal Code Population Weight File for \$900.00.

### ➤ **Postal Codes by Federal Ridings File (PCFRF) (1996 Representation Order)**

The Postal Codes by Federal Ridings File (PCFRF) (1996 Representation Order) provides a link between the six-character postal code and Canada's federal electoral districts (1996 Representation Order). A federal electoral district (FED) (commonly referred to as a federal riding) is any place or territorial area entitled to elect a Member of Parliament (MP) to sit in the House of Commons.

The PCFRF is intended as a tool for use with administrative files containing postal codes. By using the postal code as a link, data from administrative files can be organized and/or tabulated by federal riding. This PCFRF allows a link of more than 700,000 postal code records to the 301 federal electoral districts (1996 Representation Order). Semi-annual updates (92F0028UDB) are available in January and July. Updates released in July provide new postal codes as of January of the release year. Updates released in January provide new postal codes as of July of the previous year. A reference guide is included.

**Catalogue No.:** 92F0028XDB  
**Release:** December 4, 1997  
**Media:** Diskette  
**Price:** The PCFRF is available as standard packages for Canada and five regions. Initial cost: \$2,900 for Canada; \$1,000 per region for Quebec, Ontario, Prairie provinces and Northwest Territories, British Columbia and Yukon Territory and \$500 for the Atlantic provinces. Clients who purchase the PCFRF at the initial cost may purchase the updates at a flat rate (92F0028UDB) that is much lower than the initial purchase price.

### ➤ **Postal Codes by Federal Ridings File (PCFRF) (1996 Representation Order) - Update**

Semi-annual updates are available in January and July. Updates released in July provide new postal codes as of January of the release year. Updates released in January provide new postal codes as of July of the previous year.

**Catalogue No.:** 92F0028UDB  
**Release:** July 1998  
**Media:** Diskette  
**Price:** Update - Flat rate: \$500 for Canada and \$200 per region

### ➤ **GeoSuite (formerly GeoRef)**

GeoSuite is a powerful data retrieval and tabular output tool with software and data on a CD-ROM. GeoSuite allows users to explore the links between all standard levels of geography and to determine geographic codes, names, and population and dwelling counts. In addition to the standard census areas, GeoSuite provides EA correspondence data (for 1996 Census EAs and 1991 Census EAs) and an EA reference map listing that facilitates identification of appropriate EA reference maps.

GeoSuite is completely redesigned for 1996 as a Windows™-based product. For 1996, GeoSuite includes information that was previously (1991 Census) available as separate products, namely, the EA reference lists (92-312, 92-313, 92-314, 92-315, 92-316, 92-317 and 92-318), the EA Correspondence File (92F0076) and the Geographic Attribute File (92F0075). Therefore, these products are not available separately for 1996.

**Catalogue No.:** 92F0085XCB **ISBN:** 0-660-59272-X  
**Release:** April 15, 1997  
**Media:** CD-ROM  
**Price:** Canada: \$60 Other countries: US\$60

## 2.2 Spatial Information

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### ➤ **Digital Boundary Files/Digital Cartographic Files Series (DBFs/DCFs)**

Digital boundary files portray the official boundaries used for the 1996 Census collection and, therefore, often extend as straight lines into bodies of water. In digital cartographic files, these boundaries were modified to follow the coastlines and shorelines on the perimeter of Canada's land mass, including major islands. The digital cartographic files also include a separate map layer showing lakes and some rivers and estuaries. This "water" layer can be used for additional reference purposes when mapping or displaying the boundaries. DBFs and DCFs provide a framework for mapping and geographic analysis that are possible using commercially available geographic information systems (GISs) or other mapping software. Digital boundary files may not be suitable for mapping or display where realistic shoreline is required. A reference guide is included.

Coordinates: Latitude/longitude

Format: ARC/INFO® EXPORT and MapInfo™ for Windows™

### **Provinces and Territories Digital Boundary File/Digital Cartographic File**

The Provinces and Territories Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels. The boundaries of the provinces and territories were generalized to meet the requirements of most desk-top mapping packages. Consequently, these products are not fully consistent with others in the series.

**Catalogue No.:** 92F0029XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, each for \$60.

### **Federal Electoral Districts (1987 Representation Order) Digital Boundary File/Digital Cartographic File**

The Federal Electoral Districts (1987 Representation Order) Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels. These two files were created by aggregating the component EA boundaries from the 1996 Census. They may differ slightly from the Digital Boundary File based on 1991 enumeration areas (92F0070XDB). The Federal Electoral Districts Digital Cartographic File is a new product. A generalized version of the DCF is also available for small scale mapping of the country as a whole.

**Catalogue No.:** 92F0030XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, each for \$100.

### **Federal Electoral Districts (1996 Representation Order) Digital Cartographic File**

The Federal Electoral Districts (1996 Representation Order) Digital Cartographic File depicts the boundaries of the federal electoral districts (FEDs) according to the 1996 Representation Order. Since this is not a standard level of geography for the 1996 Census, the cartographic file was created with a different methodology and, therefore, is not consistent with other files in the series.

Users should be aware that the FED boundaries used for the taking of the 1996 Census were based on the 1987 Representation Order. The 1996 Representation Order was proclaimed on January 8, 1996, and is in force on the first dissolution of Parliament that occurs at least one year after its proclamation.

**Catalogue No.:** 92F0031XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** This file is available as a standard package for Canada, for \$100.

### **Census Divisions Digital Boundary File/Digital Cartographic File**

The Census Divisions Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels. A generalized version of the DCF is also available for small scale mapping of the country as a whole.

**Catalogue No.:** 92F0032XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, each for \$100.

### **Census Consolidated Subdivisions Digital Boundary File/Digital Cartographic File**

The Census Consolidated Subdivisions Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels.

**Catalogue No.:** 92F0033XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, provinces and territories. Price is \$500 for Canada, \$100 for each individual province or territory.

### **Census Subdivisions Digital Boundary File/Digital Cartographic File**

The Census Subdivisions Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels.

**Catalogue No.:** 92F0034XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, provinces, territories, CMAs and CAs. Price is \$1,200 for Canada, \$100 to \$300, depending on the province or territory, \$100 for CMAs or CAs. CD-ROMs may be available for large files/orders.

### **Census Metropolitan Areas/Census Agglomerations Digital Boundary File/Digital Cartographic File**

The Census Metropolitan Areas/Census Agglomerations Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels.

**Catalogue No.:** 92F0035XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, each for \$100.

### **Census Tracts Digital Boundary File/Digital Cartographic File**

The Census Tracts Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels. Users of the 1991 Census Tracts Digital Cartographic File will notice a major difference between the 1991 product and the 1996 product. In 1991, all bodies of water were integrated with the boundaries on a single map layer. The 1996 boundaries follow the coastlines and shorelines on the perimeter of Canada's land mass, including major islands. Users can see the remaining shorelines (inland bodies of water) by overlaying the separate water layer. The 1996 census tracts DCFs are consistent with all other levels of standard geography. This was not the case in 1991.

**Catalogue No.:** 92F0036XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, provinces, census metropolitan areas and tracted census agglomerations (CMAs/CAs). Price is \$900 for Canada; \$100 to \$200, depending on the urban centre; \$100 to \$600, depending on the province or territory.

Note that when ordering all CMA/CA files for the province of Quebec, the Ontario part of the Ottawa - Hull CMA is excluded and the reverse is true when ordering all CMA/CA files for Ontario (i.e. the Quebec part is excluded). However, when ordering the Ottawa - Hull CMA file, both Ontario and Quebec parts are included. CD-ROMs may be available for large files/orders.

### **Urban Areas Digital Boundary File/Digital Cartographic File**

The Urban Areas Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels.

**Catalogue No.:** 92F0037XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, each for \$100. CD-ROMs may be available for large files/orders.

### **Designated Places Digital Boundary File/Digital Cartographic File**

The Designated Places Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels.

**Catalogue No.:** 92F0038XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, each for \$100.



### **Forward Sortation Areas Digital Cartographic File**

The Forward Sortation Areas Digital Cartographic File depicts FSA boundaries derived from postal codes captured from the 1996 Census questionnaires. By analysing the postal codes reported by census households, a single FSA was assigned to each enumeration area (most often the FSA reported by the largest number of census households). FSA polygons were formed by grouping enumeration areas. Therefore, the census-based FSA boundaries respect enumeration area boundaries.

**Catalogue No.:** 92F0039XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** This file is available as a standard package for Canada for \$400. CD-ROMs may be available for large files/orders.

### **Enumeration Areas Digital Boundary File/Digital Cartographic File**

The Enumeration Areas Digital Boundary File (DBF) and Digital Cartographic File (DCF) are two of a series of products that depict boundaries of standard geography levels.

**Catalogue No.:** 92F0040XDE  
**Release:** April 15, 1997  
**Media:** Diskette  
**Price:** These files are available as standard packages for Canada, provinces, territories and large urban centres. Price is \$9,800 for Canada; \$100 to \$1,400, depending on the urban centre; \$100 to \$3,200, depending on the province or territory. CD-ROMs may be available for large files/orders.

### **➤ Street Network Files (SNFs)**

The street network files (SNFs) are digital files representing the street networks for most large urban centres in Canada. The files also contain other visible physical and cultural features (such as hydrography, railroads and pipelines) and attribute information (for example, street and hydrographic names, and address ranges for streets with assigned addresses). Streets and addresses are updated to reflect the information collected on Census Day, May 14, 1996. In combination with the user's appropriate software, the street network files are useful for mapping, site location analysis and planning of service delivery. A reference guide is included.

A total of 344 municipalities is covered by SNFs - 328 in census metropolitan areas (CMAs) and census agglomerations (CAs) with census tracts, 5 in CAs without census tracts and 11 outside CMAs and CAs. This coverage represents 62% of Canada's population but less than 1% of the land area. Some CMAs and CAs are only partially covered by street network files. Users will find a comprehensive listing of CSDs entirely or partially covered by street network files in Appendix N of the 1996 Census Dictionary (92-351-XPE). Prior to 1991, street network files were called area master files (AMFs). Note that the AMF format is not available for 1996.

Coordinates: Latitude/longitude

Format: ARC/INFO® EXPORT and MapInfo™ for Windows™

**Catalogue No.:** 92F0024XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** Street network files are packaged by CMAs and CAs. Price is \$20,000 for Canada; \$200 to \$3,300, depending on the CMA/CA. CD-ROMs may be available for large files/orders.

## ➤ Street Network and Feature Extension Files (SNFEFs)

**NEW**

The street network and feature extension files (SNFEFs) are digital files that extend the coverage of the street network files (SNFs) to the defined limits of the census metropolitan area/census agglomeration (CMA/CA). The SNFEFs contain all the features of the SNFs plus a road and feature network from the National Topographic Data Base (NTDB) extending from the SNF coverage to the CMA/CA limit. The extended features of the SNFEFs differ somewhat from the SNF portion of the files. These features are not as up to date as the SNFs (which have features reflecting the information collected on Census Day, May 14, 1996), nor do they have any address ranges - a major feature of the SNFs - nor have block-faces. As well, x, y coordinates from the Postal Code Conversion File are only at the enumeration area level within these extensions. SNFEFs cover a total of 29 centres: 26 CMAs and CAs that have partial SNF coverage and 3 CAs with no SNF coverage. There are 16 CMAs/CAs that are completely covered as part of the SNF program. In Appendix M of the 1996 Census Dictionary (92-351-XPE), users may find a list of CMAs and CAs entirely or partially covered by street network files. The feature extensions in the SNFEF that are derived from the NTDB should only be used for thematic mapping. They should not be used for geocoding purposes. Since standard boundary file products may not match the feature extensions in the SNFEF, adjusted boundary files are also available for clients wanting a complete CMA/CA package (see sections on Census Tracts DBF/DCF, Census Subdivisions DBF/DCF and Enumeration Areas DBF/DCF for specific information). The recommended use for the NTDB portion of the SNFEF product is for general reference mapping and display. A reference guide that covers both the SNF and the SNFEF is available.

**Note:**

Also available in CD-ROM.

Coordinates: Latitude/longitude

Format: ARC/INFO® EXPORT and MapInfo™ for Windows™

### Street Network and Feature Extension Files, Canada (1996)

**NEW**

**Catalogue No.:** 92F0100XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$22,000.00

### Street Network and Feature Extension Files, St. John's (1996)

**NEW**

**Catalogue No.:** 92F0101XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

### Street Network and Feature Extension Files, Halifax (1996)

**NEW**

**Catalogue No.:** 92F0102XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$450.00

### Street Network and Feature Extension Files, New Brunswick (1996)

**NEW**

**Catalogue No.:** 92F0103XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$900.00

**Street Network and Feature Extension Files, Moncton (1996)****NEW**

**Catalogue No.:** 92F0105XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$450.00

**Street Network and Feature Extension Files, Saint John (1996)****NEW**

**Catalogue No.:** 92F0106XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Province of Quebec (1996)****NEW**

**Catalogue No.:** 92F0107XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$5,000.00

**Street Network and Feature Extension Files, Chicoutimi - Jonquière (1996)****NEW**

**Catalogue No.:** 92F0108XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$400.00

**Street Network and Feature Extension Files, Montréal (1996)****NEW**

**Catalogue No.:** 92F0109XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$3,400.00

**Street Network and Feature Extension Files, Québec (1996)****NEW**

**Catalogue No.:** 92F0110XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$1,150.00

**Street Network and Feature Extension Files, Saint-Jean-sur-Richelieu (1996)****NEW**

**Catalogue No.:** 92F0111XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$100.00

**Street Network and Feature Extension Files, Sherbrooke (1996)****NEW**

**Catalogue No.:** 92F0112XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Trois-Rivières (1996)**

**NEW**

**Catalogue No.:** 92F0113XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$400.00

**Street Network and Feature Extension Files, Ontario (1996)**

**NEW**

**Catalogue No.:** 92F0114XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$9,400.00

**Street Network and Feature Extension Files, Barrie (1996)**

**NEW**

**Catalogue No.:** 92F0115XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$100.00

**Street Network and Feature Extension Files, Belleville (1996)**

**NEW**

**Catalogue No.:** 92F0116XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Kingston (1996)**

**NEW**

**Catalogue No.:** 92F0117XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, North Bay (1996)**

**NEW**

**Catalogue No.:** 92F0118XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Ottawa - Hull (1996)**

**NEW**

**Catalogue No.:** 92F0119XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$1,550.00

**Street Network and Feature Extension Files, Peterborough (1996)**

**NEW**

**Catalogue No.:** 92F0120XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Sudbury (1996)****NEW**

**Catalogue No.:** 92F0121XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Thunder Bay (1996)****NEW**

**Catalogue No.:** 92F0122XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$400.00

**Street Network and Feature Extension Files, Toronto (1996)****NEW**

**Catalogue No.:** 92F0123XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$3,000.00

**Street Network and Feature Extension Files, Windsor (1996)****NEW**

**Catalogue No.:** 92F0124XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$500.00

**Street Network and Feature Extension Files, Winnipeg (1996)****NEW**

**Catalogue No.:** 92F0125XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$1,150.00

**Street Network and Feature Extension Files, Saskatchewan (1996)****NEW**

**Catalogue No.:** 92F0126XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$900.00

**Street Network and Feature Extension Files, Regina (1996)****NEW**

**Catalogue No.:** 92F0127XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$500.00

**Street Network and Feature Extension Files, Saskatoon (1996)****NEW**

**Catalogue No.:** 92F0128XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$450.00

**Street Network and Feature Extension Files, Alberta (1996)**

**NEW**

**Catalogue No.:** 92F0129XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$2,050.00

**Street Network and Feature Extension Files, Calgary (1996)**

**NEW**

**Catalogue No.:** 92F0130XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$1,150.00

**Street Network and Feature Extension Files, Edmonton (1996)**

**NEW**

**Catalogue No.:** 92F0131XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$1,000.00

**Street Network and Feature Extension Files, British Columbia (1996)**

**NEW**

**Catalogue No.:** 92F0132XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$3,200.00

**Street Network and Feature Extension Files, Abbotsford (1996)**

**NEW**

**Catalogue No.:** 92F0133XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Kamloops (1996)**

**NEW**

**Catalogue No.:** 92F0134XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Kelowna (1996)**

**NEW**

**Catalogue No.:** 92F0135XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$300.00

**Street Network and Feature Extension Files, Nanaimo (1996)**

**NEW**

**Catalogue No.:** 92F0136XDE  
**Release:** November 19, 1997  
**Media:** Diskette  
**Price:** \$100.00

### ➤ **Skeletal Street Network Files (SSNFs)**

The skeletal street network files (SSNFs) are “thinned out” street network files consisting of cartographic reference features, such as major streets (with street names but no address ranges) and some railway features used to define census tract boundaries.

The SSNFs have been produced solely to provide some cartographic reference features when producing thematic maps with the digital cartographic files.

Coordinates: Latitude/longitude

Format: ARC/INFO<sup>®</sup> EXPORT and MapInfo<sup>™</sup> for Windows<sup>™</sup>

**Catalogue No.:** 92F0025XDE

**Release:** December 4, 1997

**Media:** Diskette

**Price:** Skeletal street network files (SSNFs) are available as standard packages for census metropolitan areas and some census agglomerations. Price is \$2,900 for Canada; \$100 to \$200, depending on the CMA/CA. CD-ROMs may be available for large files/orders.

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