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Postal Codes by Federal Ridings (2003 Representation Order) File (PCFRF), 2001 Census (geography products: attribute information products), Reference guide

December 2003



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Note of appreciation

Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

What's new?

- The postal code reference date for this update is December 2003. This is the same as for the Postal Code Conversion File (PCCF) and refers to the new federal ridings based on the 2003 Representation Order.
- In March 2004, a Postal Codes Federal Riding File (PCFRF) based on the 2003 Representation Order was released.

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1. About this guide

This guide is intended for users of the Postal Codes by Federal Ridings File (PCFRF). It includes an overview of the file and its intended use, a description of the general methodology used to create the file and of the data quality and limitations of the file contents. A record layout of the fields in the file and a glossary of the terms used in this document are also included.

This reference guide is based on the best information available at the time of its release. It in no way constitutes a warranty of the data in the event that users may observe characteristics that deviate from those stated in this document. All efforts have been made to ensure a thorough verification of this product, however, there is no guarantee that the data are 100% accurate.

2. Overview

The Postal Codes by Federal Ridings File (PCFRF) is a digital file, which provides a link between the six character postal code and Canada's federal ridings. The current version of the PCFRF links 791,021 active postal code records, existing as of December 2003, to the 308 federal ridings.

Elections Canada defines a federal electoral district as any place or territorial area entitled to return a Member of Parliament (MP) to serve in the House of Commons. FED legal limits and descriptions are the responsibility of the Chief Electoral Officer, and are usually revised every 10 years after the results of the decennial census. There are 308 FEDs based on the 2003 Representation Order, the most recent revision of the federal riding limits.¹

Reference Dates

The reference date is December 2003 for postal codes contained in the Postal Codes by Federal Ridings File (PCFRF). This is the same date as the postal codes contained in the Postal Code Conversion File (PCCF) product released in July 2004.

The geographic reference date is a date determined by Statistics Canada to finalize the geographic framework for which the Census data will be collected, tabulated and reported. The geographic reference date for the 2001 Census is January 1, 2001.

¹ Note that the terms "federal riding" and "federal electoral district" or "FED" are used interchangeably in this user guide.

3. How to use this product

The Postal Codes by Federal Ridings File (PCFRF) was conceived as a tool for use with administrative files containing postal codes. By using the postal code as a link, data from administrative files may be organized and/or tabulated by federal riding. Using this tool, federal government departments will be able to respond more quickly and easily to MPs requests for information about their ridings. For example, the number and value of contracts awarded to a particular riding could be summarized. The ridings where petition signatories reside could also be identified in order to notify the appropriate Members of Parliament. Conversely, the postal codes for a given riding could be identified for general mailings to constituents; however, it should be noted that some postal codes do straddle one or more riding boundaries. Before using this file, users should first familiarize themselves with the information provided in the following section on data quality.

4. Data quality

Linkage data quality elements provide information on the fitness-for-use of a linkage database by describing why, when and how the data are created, and how accurate the data are. The elements include an overview describing the purpose and usage, as well as specific quality elements reporting on the lineage, attribute accuracy, logical consistency and completeness. This information is provided to users for all linkage data products disseminated for the census.

Before using the Postal Codes by Federal Ridings File (PCFRF) with administrative files containing postal codes, users should be aware of some characteristics of postal codes that may affect their linkage to federal ridings on the PCFRF:

- 1) postal delivery areas do not always respect federal riding boundaries;
- 2) postal codes may be associated with post office boxes at a postal station that is not in the same riding as the client using the post office box;
- 3) Canada Post Corporation regularly retires postal codes and may also reactivate retired postal codes for use again;
- 4) Inclusion or exclusion of postal codes in a federal riding.

In the first case, a postal delivery area (as represented by the six-digit postal code) may straddle one or more federal riding boundaries, which means that, in the postal code/2003 federal riding file, the same postal code may be linked to two or more (adjacent) federal ridings. Most ridings are affected in this way in both urban and rural areas. Refer to section 4 *Logical Consistency* in this guide for further details.

In the second case, the postal code linkage to the federal riding is based on the mailing address information, and therefore it is the physical location of the post office that is linked to the riding rather than the ultimate destination of mail delivery - the residential, industrial or commercial location of the client renting a post office box - which could be located in another riding.

In the third case, users of the PCFRF must keep in mind that the file contains only the postal codes from Canada Post that are active as of December 2003.

If the addresses of postal codes in a user's administrative file are not updated to December 2003, there may be non-matches with the PCFRF because some of the postal codes in the user's file may have been retired, or may even have been reactivated and re-assigned by Canada Post to another range of addresses outside the riding where they had previously been used. Statistics Canada maintains an audit trail of the "birth" dates and "retirement" dates of postal codes in the Postal Code Conversion File. Users may wish to contact their nearest Statistics Canada Region Office where detailed information about the Postal Code Conversion File is available in the *Postal Code Conversion File (PCCF) User Guide*. An updated version of the file including December 2003 Postal Codes produced by the Geography Division, Statistics Canada, was released in July 2004.

In the fourth case, postal codes are given the representative point co-ordinates of a block-face, block or of a dissemination area. Where a 2001 Federal Electoral District boundary splits a 2001 DA, block or block-face, the postal codes linked to that DA, block or block-face are included in the federal riding in which their co-ordinates fall.

Lineage

Describes the history of the linkage data, including descriptions of the source material from which the data were derived, and the methods of derivation. It also contains the dates of the source material, and all transformations involved in producing the final digital files.

Source Files

Two existing products of the Geography Division at Statistics Canada have been used to derive the Postal Codes by Federal Ridings File (PCFRF):

- 1) July 2004 Postal Code Conversion File (PCCF) links postal codes (provided by Canada Post Corporation (CPC) on the Postal Code Address Master File updated to December 2003) to codes for all 2001 Census geographic areas, including province (PR) codes and federal electoral district (FED) 1996 Representative Order and 2003 Representative Order. It also provides the geographic point coordinates representing the postal codes. The July 2004 Postal Code Conversion File contains over 1.9 million postal code records linked to the geographical areas used in the 2001 Census. These geographical areas have a reference date of January 1, 2001, except for the Federal Electoral District (based on the 2003 Representation Order).
- 2) The Federal Electoral District (FED) Names File, which contains the official name of each federal riding (based on the 2003 Representation Order) and its associated identification code.

Method of Derivation

The PCFRF was created by linking the non retired postal codes included on the July 2004 Postal Code Conversion File, containing December 2003 postal codes, to the list of federal electoral districts (2003 Representation Order) codes and names, using either the block or DA geography as linkage variables.

The resulting PCFRF file contains 791,021 non retired postal code records of which 778,536 are unique links to one federal electoral district. In total, 5,916 active postal codes (12,485 records) are linked to more than one federal electoral district (further details are provided in section 4 below). The number of postal code records by federal electoral district is provided in Appendix A.

Attribute Accuracy

Attribute accuracy refers to the quality of the non-positional information attached to each postal code.

The attribute accuracy of the Postal Codes by Federal Ridings File (PCFRF) is dependent on the accuracy of the Postal Code Conversion File and the table linking the blocks to the federal ridings.

Logical consistency

Describes the fidelity of relationships encoded in the data structure of the digital linkage data.

Of the 791,021 active postal code records found on this file, there are 778,536 active postal codes uniquely linked to one federal riding and 5,916 active postal codes that are linked to two or more federal ridings. The following table summarizes them.

Postal codes linked to 2 or more Federal Ridings

Number of Federal Ridings	Number of active postal codes	Number of records on postal code by federal riding file
2	5,375	10,750
3	444	1,332
4	84	336
5	11	55
6	2	12
Total	5,916	12,485

Consistency with other products

Data contained in the Postal Codes by Federal Ridings File (PCFRF) are consistent with all 2001 Census related geographic products with the exception of the 2001 Census Forward Sortation Areas Boundary File (Catalogue No. 92F0170XCE) which represents only the FSAs reported in the 2001 Census and valid as of May 2001. The Postal Code Conversion File provides all postal codes (both in use and retired) and is updated twice a year to include recent postal codes.

Completeness

Refers to the degree to which geographic features, their attributes and their relationships are included or omitted in a dataset. It also includes information on selection criteria, definitions used, and other relevant mapping rules.

Completeness in the context of the PCFRF is the degree to which all valid postal codes are accounted for. All postal codes, valid as of December 2003 according to Canada Post Corporation, have been linked to census geography.

The Federal Electoral District Names file contains 308 records, one for each federal electoral district (2003 Representation Order).

The data files are named using a file naming convention described in Appendix A and contain the following number of active postal code **records**:

Filename	Number of records
pcfrfEastFED308_DEC03_fcpcéfEstCEF308.exe - Atlantic provinces	94,753
pcfrfQueFED308_DEC03_fcpcéfQuéCEF308.exe - Québec	196,922
pcfrfOntFED308_DEC03_fcpcéfOntCEF308.exe - Ontario	264,638
pcfrfWestFED308_DEC03_fcpcéfOuestCEF308.exe - Prairie provinces, NWT and Nunavut	121,659
pcfrfBCFED308_DEC03_fcpcéfCBCEF308.exe - BC and the Yukon	113,049
pcfrfNatFED308_DEC03_fcpcéfNatCEF308.exe - Canada (National file)	791,021

5. Technical specifications

File specifications

The current version of the Postal Codes by Federal Ridings File (PCFRF) is an ASCII file and does not include any software.

Data descriptions and record layout

Record Layout Postal Codes by Federal Ridings File (PCFRF)

Position	Size	Type*	Field Description
1	6	C	Postal code
7	5	C	Federal riding (FED) code
12	56	C	English Federal riding (FED) name
68	56	C	French Federal riding (FED) name

*The field type "C" refers to both alphabetic and numeric characters.

Field descriptions

Postal Code

The postal code is a six-character alphanumeric code defined and maintained by Canada Post Corporation for the processing (sortation and delivery) of mail.

The alphanumeric characters are arranged in the form ANA NAN, where "A" represents a letter of the alphabet and "N" a numeric digit. The first character of a postal code (allocated in alphabetic sequence from east to west across Canada) represents a province or territory or a major sector entirely within a province.

The first three characters represent a set of well-defined and stable areas known as the Forward Sortation Area (FSA). Rural FSAs are identifiable by the presence of a "0" in the second position of the FSA code.

The last three characters identify the Local Delivery Unit (LDU). In established urban areas, the LDU can specify a small and easily defined area within an FSA such as block-face (one side of a city street between consecutive intersections with streets), an apartment building, an office building, or a large firm or organization which does large volume business with the post office. In rural areas, the LDU denotes a service area - the area serviced by rural route delivery from a post office or station, e.g., a rural route, general delivery or post office box.

Federal Riding or Federal Electoral District Code

A federal electoral district is any place or territorial area entitled to return a member to serve in the House of Commons. FED legal limits and descriptions are the responsibility of the Chief Electoral Officer, and are usually revised every 10 years after the results of the decennial census. The 2003 Representation Order is the most current revision, and is based on 2001 Census population data.

Appendix A: Postal Codes by Federal Ridings File

This table shows the number of postal codes (or PCs) per federal riding (or FED)

Field descriptions

Province (PR)

The major political division of Canada. From a statistical point of view, it is a basic unit for which data are tabulated and cross-classified. The province codes are: **10** - Newfoundland and Labrador, **11** - Prince Edward Island, **12** - Nova Scotia, **13** - New Brunswick, **24** - Quebec, **35** - Ontario, **46** - Manitoba, **47** - Saskatchewan, **48** - Alberta, and **59** - British Columbia.

Territory (TERR)

Three major political divisions of Canada, namely the Yukon Territory, Northwest Territories and Nunavut. From a statistical point of view, these territories are equivalent to a province, i.e., a basic unit for which data are tabulated and cross-classified. The territory codes are: **60** - Yukon Territory, **61** - Northwest Territories, and **62** - Nunavut.

PR/FED

A two-digit provincial code is followed by a three-digit federal riding code, assigned by Elections Canada.

Federal Riding Names

Complete name of Federal Riding

Number of Postal Codes

The number of postal codes found within a Federal Riding

PR/FED	FEDERAL RIDING NAMES	Number of Postal Codes
10001	Avalon	625
10002	Bonavista--Exploits	831
10003	Humber--St. Barbe--Baie Verte	1,589
10004	Labrador	370
10005	Random--Burin--St. George's	875
10006	St. John's North / St. John's-Nord	3,352
10007	St. John's South / St. John-Sud	2,492
11001	Cardigan	342
11002	Charlottetown	1,691
11003	Egmont	991
11004	Malpeque	29
12001	Cape Breton--Canso	3,206
12002	Central Nova / Nova-Centre	1,267
12003	Dartmouth--Cole Harbour	3,106
12004	Halifax	3,467
12005	Halifax West / Halifax-Ouest	2,161
12006	Kings--Hants	1,464

PR/FED	FEDERAL RIDING NAMES	POSTAL CODE COUNT
12007	North Nova / Nova-Nord	1,854
12008	Sackville--Eastern Shore	1,709
12009	South Shore--St. Margaret's	1,058
12010	Sydney--Victoria	5,110
12011	West Nova / Nova-Ouest	693
13001	Acadie--Bathurst	4,601
13002	Beauséjour	8,047
13003	Fredericton	4,391
13004	Fundy	6,537
13005	Madawaska--Restigouche	4,197
13006	Miramichi	4,908
13007	Moncton--Riverview--Dieppe	4,408
13008	St. Croix--Belleisle	7,652
13009	Saint John	4,413
13010	Tobique--Mactaquac	7,317
24001	Abitibi--Témiscamingue	2,524
24002	Ahuntsic	2,321
24003	Alfred-Pellan	3,393
24004	Argenteuil--Mirabel	1,769
24005	Beauce	2,398
24006	Beauharnois--Salaberry	2,349
24007	Beauport	3,657
24008	Berthier--Maskinongé	1,790
24009	Bourassa	2,172
24010	Brome--Missisquoi	2,740
24011	Brossard--La Prairie	2,596
24012	Chambly--Borduas	3,284
24013	Charlesbourg	3,511
24014	Charlevoix--Montmorency	1,724
24015	Châteauguay--Saint-Constant	2,540
24016	Chicoutimi--Le Fjord	3,593
24017	Compton--Stanstead	1,380
24018	Drummond	3,589
24019	Gaspésie--Îles-de-la-Madeleine	661
24020	Gatineau	3,351
24021	Hochelaga	2,080
24022	Honoré-Mercier	2,453
24023	Hull--Aylmer	3,865
24024	Jeanne-Le Ber	2,572
24025	Joliette	1,443
24026	Jonquière--Alma	4,518
24027	Lac-Saint-Louis	3,856
24028	La Pointe-de-l'Île	2,872
24029	LaSalle--Imard	1,776
24030	Laurentides--Labelle	1,888

PR/FED	FEDERAL RIDING NAMES	POSTAL CODE COUNT
24031	Laurier	2,446
24032	Laval	2,954
24033	Laval--Les Îles	2,926
24034	Lévis--Bellechasse	2,472
24035	Longueuil	2,703
24036	Lotbinière--Chutes-de-la-Chaudière	2,055
24037	Louis-Hébert	3,622
24038	Louis-Saint-Laurent	3,167
24039	Manicouagan	2,202
24040	Marc-Aurèle-Fortin	3,554
24041	Matapédia--Matane	2,213
24042	Mégantic--L'Îrable	2,797
24043	Montcalm	2,172
24044	Mount Royal / Mont-Royal	2,395
24045	Notre-Dame-de-Grâce--Lachine	2,924
24046	Nunavik--Eeyou	1,453
24047	Outremont	1,492
24048	Papineau	1,746
24049	Pierrefonds--Dollard	2,728
24050	Pontiac	2,408
24051	Portneuf	1,880
24052	Québec	4,112
24053	Repentigny	3,795
24054	Richelieu	2,938
24055	Richmond--Arthabaska	2,909
24056	Rimouski--Témiscouata	1,945
24057	Rivière-des-Mille-Îles	2,473
24058	Rivière-du-Loup--Montmagny	1,624
24059	Rivière-du-Nord	3,228
24060	Roberval	2,764
24061	Rosemont--La Petite-Patrie	1,775
24062	Saint-Bruno--Saint-Hubert	2,952
24063	Saint-Hyacinthe--Bagot	2,395
24064	Saint-Jean	2,785
24065	Saint-Lambert	2,819
24066	Saint-Laurent--Cartierville	2,568
24067	Saint-Léonard--Saint-Michel	1,872
24068	Saint-Maurice--Champlain	4,013
24069	Shefford	2,161
24070	Sherbrooke	3,484
24071	Terrebonne--Blainville	2,427
24072	Trois-Rivières	4,212
24073	Vaudreuil-Soulanges	2,073
24074	Verchères--Les Patriotes	1,240
24075	Westmount--Ville-Marie	3,403

PR/FED	FEDERAL RIDING NAMES	POSTAL CODE COUNT
35001	Ajax--Pickering	2,247
35002	Algoma--Manitoulin--Kapusking	1,034
35003	Ancaster--Dundas--Flamborough--Westdale	2,656
35004	Barrie	2,780
35005	Beaches--East York	2,293
35006	Bramalea--Gore--Malton	2,472
35007	Brampton--Springdale	1,883
35008	Brampton West / Brampton-Ouest	2,356
35009	Brant	4,181
35010	Burlington	3,886
35011	Cambridge	3,670
35012	Carleton--Lanark	1,844
35013	Chatham-Kent--Essex	2,476
35014	Clarington--Scugog--Uxbridge	1,698
35015	Davenport	1,699
35016	Don Valley East / Don Valley-Est	1,651
35017	Don Valley West / Don Valley-Ouest	2,591
35018	Dufferin--Caledon	1,341
35019	Eglinton--Lawrence	2,403
35020	Elgin--Middlesex--London	2,617
35021	Essex	2,393
35022	Etobicoke Centre	2,899
35023	Etobicoke--Lakeshore	3,382
35024	Etobicoke North / Etobicoke-Nord	1,908
35025	Glengarry--Prescott--Russell	984
35026	Grey--Bruce--Owen Sound	1,706
35027	Guelph	3,438
35028	Haldimand--Norfolk	1,846
35029	Haliburton--Kawartha Lakes--Brock	975
35030	Halton	2,336
35031	Hamilton Centre / Hamilton-Centre	3,874
35032	Hamilton East--Stoney Creek / Hamilton-Est--Stoney Creek	3,771
35033	Hamilton Mountain	3,446
35034	Huron--Bruce	1,004
35035	Kenora	1,109
35036	Kingston and the Islands / Kingston et les Iles	3,701
35037	Kitchener Centre / Kitchener-Centre	3,138
35038	Kitchener--Conestoga	2,230
35039	Kitchener--Waterloo	3,591
35040	Lanark--Frontenac--Lennox and Addington	2,649
35041	Leeds--Grenville	1,536
35042	London--Fanshawe	2,518
35043	London North Centre / London-Centre-Nord	3,704
35044	London West / London-Ouest	2,957
35045	Markham--Unionville	2,657

PR/FED	FEDERAL RIDING NAMES	POSTAL CODE COUNT
35046	Middlesex--Kent--Lambton	1,459
35047	Mississauga--Brampton South / Mississauga--Brampton-Sud	2,633
35048	Mississauga East--Cooksville / Mississauga-Est--Cooksville	1,664
35049	Mississauga--Erindale	2,138
35050	Mississauga South / Mississauga-Sud	3,126
35051	Mississauga--Streetsville	1,992
35052	Nepean--Carleton	2,464
35053	Newmarket--Aurora	2,681
35054	Niagara Falls	4,293
35055	Niagara West--Glanbrook / Niagara-Ouest--Glanbrook	1,409
35056	Nickel Belt	1,123
35057	Nipissing--Timiskaming	2,202
35058	Northumberland--Quinte West	2,503
35059	Oak Ridges--Markham	2,412
35060	Oakville	3,846
35061	Oshawa	3,400
35062	Ottawa Centre / Ottawa-Centre	4,118
35063	Ottawa--Orléans	2,605
35064	Ottawa South / Ottawa-Sud	3,343
35065	Ottawa--Vanier	3,243
35066	Ottawa West--Nepean / Ottawa-Ouest--Nepean	3,068
35067	Oxford	2,951
35068	Parkdale--High Park	1,743
35069	Parry Sound--Muskoka	1,074
35070	Perth--Wellington	1,878
35071	Peterborough	2,998
35072	Pickering--Scarborough East	2,217
35073	Prince Edward--Hastings	1,666
35074	Renfrew--Nipissing--Pembroke	2,944
35075	Richmond Hill	2,412
35076	St. Catharines	4,444
35077	St. Paul's	2,254
35078	Sarnia--Lambton	2,840
35079	Sault Ste. Marie	2,927
35080	Scarborough--Agincourt	1,690
35081	Scarborough Centre / Scarborough-Centre	2,047
35082	Scarborough--Guildwood	1,791
35083	Scarborough--Rouge River	1,810
35084	Scarborough Southwest / Scarborough-Sud-Ouest	2,189
35085	Simcoe--Grey	1,030
35086	Simcoe North / Simcoe-Nord	2,257
35087	Stormont--Dundas--South Glengarry	2,152
35088	Sudbury	3,171
35089	Thornhill	2,983
35090	Thunder Bay--Rainy River	2,593

PR/FED	FEDERAL RIDING NAMES	POSTAL CODE COUNT
35091	Thunder Bay--Superior North / Thunder Bay--Superior-Nord	2,375
35092	Timmins--James Bay / Timmins--Baie James	1,920
35093	Toronto Centre / Toronto-Centre	2,673
35094	Toronto--Danforth	2,162
35095	Trinity--Spadina	2,641
35096	Vaughan	2,407
35097	Welland	4,367
35098	Wellington--Halton Hills	1,832
35099	Whitby--Oshawa	3,294
35100	Willowdale	2,456
35101	Windsor--Tecumseh	3,270
35102	Windsor West / Windsor-Ouest	4,283
35103	York Centre / York-Centre	2,336
35104	York--Simcoe	1,799
35105	York South--Weston / York-Sud--Weston	2,138
35106	York West / York-Ouest	1,353
46001	Brandon--Souris	2,095
46002	Charleswood--St. James	2,190
46003	Churchill	738
46004	Dauphin--Swan River	709
46005	Elmwood--Transcona	2,215
46006	Kildonan--St. Paul	1,987
46007	Portage--Lisgar	1,257
46008	Provencher	440
46009	Saint Boniface	2,404
46010	Selkirk--Interlake	855
46011	Winnipeg Centre / Winnipeg-Centre	2,821
46012	Winnipeg North / Winnipeg-Nord	2,142
46013	Winnipeg South / Winnipeg-Sud	1,796
46014	Winnipeg South Centre / Winnipeg-Centre-Sud	2,163
47001	Battlefords--Lloydminster	1,113
47002	Blackstrap	1,730
47003	Churchill River / Rivière Churchill	271
47004	Cypress Hills--Grasslands	1,061
47005	Palliser	2,720
47006	Prince Albert	1,482
47007	Regina--Lumsden--Lake Centre	1,763
47008	Regina--Qu'Appelle	1,793
47009	Saskatoon--Humboldt	1,479
47010	Saskatoon--Rosetown--Biggar	1,905
47011	Saskatoon--Wanuskewin	1,599
47012	Souris--Moose Mountain	1,186
47013	Wascana	2,643
47014	Yorkton--Melville	820

PR/FED	FEDERAL RIDING NAMES	POSTAL CODE COUNT
48001	Athabasca	1,282
48002	Calgary East / Calgary-Est	3,669
48003	Calgary North Centre / Calgary-Centre-Nord	4,319
48004	Calgary Northeast / Calgary-Nord-Est	2,459
48005	Calgary--Nose Hill	1,959
48006	Calgary South Centre / Calgary-Centre-Sud	4,764
48007	Calgary Southeast / Calgary-Sud-Est	2,625
48008	Calgary Southwest / Calgary-Sud-Ouest	2,634
48009	Calgary West / Calgary-Ouest	3,010
48010	Crowfoot	1,267
48011	Edmonton--Beaumont	2,585
48012	Edmonton Centre / Edmonton-Centre	5,319
48013	Edmonton East / Edmonton-Est	4,621
48014	Edmonton--Leduc	3,139
48015	Edmonton--St. Albert	3,440
48016	Edmonton--Sherwood Park	3,313
48017	Edmonton--Spruce Grove	2,759
48018	Edmonton--Strathcona	4,642
48019	Lethbridge	3,492
48020	Macleod	868
48021	Medicine Hat	2,804
48022	Peace River	1,936
48023	Red Deer	2,637
48024	Vegreville--Wainwright	1,471
48025	Westlock--St. Paul	995
48026	Wetaskiwin	1,233
48027	Wild Rose	1,676
48028	Yellowhead	833
59001	Abbotsford	2,850
59002	Burnaby--Douglas	3,425
59003	Burnaby--New Westminster	3,038
59004	Cariboo--Prince George	3,874
59005	Chilliwack--Fraser Canyon	1,966
59006	Delta--Richmond East / Delta--Richmond-Est	3,460
59007	Dewdney--Alouette	3,485
59008	Esquimalt--Juan de Fuca	3,398
59009	Fleetwood--Port Kells	2,539
59010	Kamloops--Thompson	2,896
59011	Kelowna	3,903
59012	Kootenay--Columbia	1,518
59013	Langley	3,045
59014	Nanaimo--Alberni	3,422
59015	Nanaimo--Cowichan	2,926
59016	Newton--North Delta / Newton--Delta-Nord	3,082

PR/FED	FEDERAL RIDING NAMES	POSTAL CODE COUNT
59017	New Westminster--Coquitlam	3,803
59018	North Okanagan--Shuswap / Okanagan-Nord--Shuswap	2,683
59019	North Vancouver	4,016
59020	Okanagan--Coquihalla	2,259
59021	Port Moody--Westwood--Port Coquitlam	2,605
59022	Prince George--Peace River	3,328
59023	Richmond	2,462
59024	Saanich--Gulf Islands	3,959
59025	Skeena--Bulkley Valley	1,766
59026	Southern Interior	2,398
59027	South Surrey--White Rock--Cloverdale / Surrey-Sud--White Rock--Cloverdale	3,315
59028	Surrey North / Surrey-Nord	3,347
59029	Vancouver Centre / Vancouver-Centre	2,901
59030	Vancouver East / Vancouver-Est	3,283
59031	Vancouver Island North / Île de Vancouver-Nord	3,144
59032	Vancouver Kingsway	3,189
59033	Vancouver Quadra	4,074
59034	Vancouver South / Vancouver-Sud	3,047
59035	Victoria	4,658
59036	West Vancouver--Sunshine Coast	3,055
60001	Yukon	930
61001	Western Arctic	501
62001	Nunavut	30

Appendix B: Data File Naming Convention

The naming convention for PCFRF data files has been designed to be bilingual and to reflect the reference date of the Canada Post Corporation (CPC) data used in the release.

Structure of file names

data type Province_CPC version date_French translation

data type – Type of data (PCFRF)

Province – Name abbreviation of province or region.

CPC version date – reference date of Canada Post Corporation postal code data

French translation – Type of data (French translation: fcpcéf)

Data files in this release are the following:

National File

pcfrfNatFED308_DEC03_fcpcéfNatCEF308.exe

Provincial Files

pcfrfEastFED308_DEC03_fcpcéfEstCEF308.exe

pcfrfQueFED308_DEC03_fcpcéfQuéCEF308.exe

pcfrfOntFED308_DEC03_fcpcéfOntCEF308.exe

pcfrfWestFED308_DEC03_fcpcéfOuestCEF308.exe

pcfrfBCFED308_DEC03_fcpcéfCBCEF308.exe

Appendix C: Statistics Canada Regional Offices

REGIONAL REFERENCE CENTRES

The Advisory Services Division of Statistics Canada provides an information dissemination network across the country through eight regional reference centres.

Advisory Services can provide assistance in helping you identify your informational needs, establish sources of available data, consolidate and integrate data from different sources, develop profiles, provide analysis of highlights or tendencies and, finally, provide training on products, services, Statistics Canada concepts and the use of statistical data.

For more information, call the Toll-free general enquiries line listed below or send an e-mail to infostats@statcan.ca.

Contact Us

E-mail: infostats@statcan.ca

Telephone (Canada and the United States only):

7:30 a.m. to 7:30 p.m. Eastern Time

- **1 800 263-1136** . Toll-free general enquiries line
- **1 800 267-6677** . Toll-free products and services sales line
- **1 800 363-7629** . National TTY line (teletype machine)
- **1 877 287-4369** . Toll-free fax number

Telephone (outside Canada and the United States):

7:30 a.m. to 7:30 p.m. Eastern Time

- **1 613 951-8116**

Statistical Reference Centre (National Capital Region)
Rm. 1500, Main Building
Holland Avenue
OTTAWA, Ontario
K1A 0T6

ATLANTIC ADVISORY SERVICES

Serving the provinces of Newfoundland and Labrador, Nova Scotia, Prince Edward Island and New Brunswick.

Atlantic Advisory Services

Statistics Canada
2nd Floor, Box 11
1741 Brunswick Street
Halifax, Nova Scotia B3J 3X8
Toll-free number: 1 800 263-1136
E-mail: infostats@statcan.ca

QUEBEC ADVISORY SERVICES

Serving the province of Quebec (except the National Capital Region).

Quebec Advisory Services
Statistics Canada
4th Floor, East Tower
Guy Favreau Complex
200 René Lévesque Blvd. W
Montréal, Quebec H2Z 1X4
Toll-free number: 1 800 263-1136
E-mail: infostats@statcan.ca

ADVISORY SERVICES, NATIONAL CAPITAL REGION

Serving the National Capital Region.

Advisory Services, National Capital Region
Statistics Canada
Main Building, Room 1500
120 Parkdale Avenue
Ottawa, Ontario K1A 0T6
Toll-free number: 1 800 263-1136
E-mail: infostats@statcan.ca

ONTARIO ADVISORY SERVICES

Serving the province of Ontario (except the National Capital Region).

Ontario Advisory Services
Statistics Canada
Arthur Meighen Building, 10th Floor
25 St. Clair Avenue E
Toronto, Ontario M4T 1M4
Toll-free number: 1 800 263-1136
E-mail: infostats@statcan.ca

PRAIRIES, NWT AND NUNAVUT ADVISORY SERVICES

This region has three reference centres serving the provinces of Manitoba, Saskatchewan, Alberta, the Northwest Territories and Nunavut.

Serving the province of Manitoba:

Prairies, NWT and Nunavut Advisory Services
Statistics Canada
Via Rail Building, Suite 200
123 Main Street
Winnipeg, Manitoba R3C 4V9
Toll-free number: 1 800 263-1136
E-mail: infostats@statcan.ca

Serving the province of Saskatchewan:

Prairies, NWT and Nunavut Advisory Services
Statistics Canada
Park Plaza, Suite 440
2365 Albert Street
Regina, Saskatchewan S4P 4K1
Toll-free number: 1 800 263-1136
E-mail: infostats@statcan.ca

Serving the province of Alberta, the Northwest Territories and Nunavut.

Prairies, NWT and Nunavut Advisory Services
Statistics Canada
Pacific Plaza, Suite 900
10909 Jasper Avenue NW
Edmonton, Alberta T5J 4J3
Toll-free number: 1 800 263-1136
E-mail: infostats@statcan.ca

PACIFIC AND YUKON ADVISORY SERVICES

Serving the province of British Columbia and the Yukon Territory.

Pacific and Yukon Advisory Services
Statistics Canada
Library Square Tower
600-300 West Georgia Street
Vancouver, British Columbia V6B 6C7
Toll-free number: 1 800 263-1136
E-mail: infostats@statcan.ca

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- .2002b. *2001 Census Handbook*. 2001 Census of Canada. (Statistics Canada Catalogue No. 92-379-XPB). Ottawa: Minister responsible for Statistics Canada.
- .2002c. *Population and Dwelling Counts*. 2001 Census of Canada. (Statistics Canada Catalogue no. 93-360-XPB). Ottawa: Minister responsible for Statistics Canada.
- .2002d. *Standard Geographical Classification, Volume I*. 2001 Census of Canada. (Statistics Canada Catalogue no. 12-571-XPB). Ottawa: Minister responsible for Statistics Canada.
- .2002e. *Standard Geographical Classification, Volume II*. 2001 Census of Canada. (Statistics Canada Catalogue no. 12-572-XPB). Ottawa: Minister responsible for Statistics Canada.

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- Weiss, C. and A. Akuoko-Asibey. 1998. *Automated Land Area Tests for the 2001 Census: Preliminary Results Using the 1996 Digital Cartographic Files*. Geography Working Paper Series No. 1998-1. Geography Division. (Statistics Canada Catalogue No. 92F0138MIE). Ottawa: Minister responsible for Statistics Canada.

Geography products and services

This section provides brief descriptions of Geography products and services related to the 2001 Census. For additional details, consult the nearest Statistics Canada Regional Reference Centre.

1. Reference Maps

Reference maps show the location of the geographic areas for which census data are tabulated and disseminated. The maps display the boundaries, names and codes of standard geographic areas, as well as major cultural and physical features, such as roads, railroads, coastlines, rivers and lakes. Over 5,600 reference maps are available for the 2001 Census. Given the diversity in size of these geographic areas, different map scales and map coverages are required to show the appropriate level of detail. Descriptions of each series are provided with the individual catalogue entries below.

National Reference Maps

- 92F0172XCB Reference Maps – Complete Set, 2001 Census
- 92F0144XIB Census Divisions, 2001
- 92F0144XIB Economic Regions and Census Divisions, 2001
- 92F0144XIB Census Metropolitan Areas and Census Agglomerations, 2001
- 92F0144XIB Statistical Area Classification, 2001 Census Subdivisions
- 92F0152XPE Federal Electoral Districts (1996 Representation Order) Reference Map²

92F0149XPB Census Division and Census Subdivision Reference Maps

The set of Census Division and Census Subdivision Reference Maps covers all of Canada, by province and territory. The maps show the boundaries, names and codes of census divisions (such as counties and regional districts) and census subdivisions (such as cities, towns, villages, other local municipal entities, townships and Indian reserves). The maps also show the boundaries of census metropolitan areas and census agglomerations. There are 22 maps that vary in scale (ranging from 1:310,000 to 1:3,500,000).

92F0145XPB Census Tract Reference Maps, by Census Metropolitan Area or Census Agglomeration

The series of Census Tract Reference Maps covers all 27 census metropolitan areas (CMAs) and the 19 census agglomerations (CAs) with census tracts. The maps show the boundaries and names of census tracts and census subdivisions, as well as the urban core, urban fringe and rural fringe within the CMAs or CAs. The maps include background information such as rivers, lakes, railroad tracks and provincial boundaries, and other significant features. There are 85 maps in the series, with one to four maps covering each CMA or CA. The map scales range from 1:25,000 to 1:2,000,000, and the maximum map dimensions are approximately 91 cm by 101 cm (36 inches by 40 inches).

92F0146XPB Dissemination Area Reference Maps, by Census Tract, for Census Metropolitan Areas and Census Agglomerations.

The set of Dissemination Area Reference Maps by Census Tract covers all 27 census metropolitan areas (CMAs) and the 19 census agglomerations (CAs) that are part of the census tract program. Each map in the set covers one census tract (CT) and shows the boundaries and codes of dissemination areas within that CT. The maps also show census tract, census subdivision, and census metropolitan area or census agglomeration boundaries on a background of detailed street networks and other visible features such as rivers, lakes and railroad tracks.

² Inquiries concerning Federal Electoral District maps can be directed to Elections Canada (www.elections.ca or 1-800-463-6868)

There are approximately 4,800 maps in this set—generally one map per census tract. The dimensions of each map are approximately 27 cm by 43 cm (11 inches by 17 inches).

92F0147XPB Dissemination Area Reference Maps, by non-tracted Census Agglomeration

The set of Dissemination Area Reference Maps by Non-tracted Census Agglomeration covers the smaller census agglomerations that are not part of the census tract program. Each map in the set covers one census agglomeration (CA) and shows the boundaries and codes of dissemination areas within that CA. The maps also show the boundaries of census subdivisions (municipalities), as well as urban areas, and representative points for designated places. The maps include background information such as rivers, lakes, railroad tracks and provincial boundaries, and other significant features.

There are approximately 100 maps in this set—generally one map per census agglomeration (The maps vary in scale and size; the maximum map dimensions are approximately 91 cm by 101 cm (36 inches by 40 inches).

92F0148XPB Dissemination Area Reference Maps, by Census Division, for Areas Outside Census Metropolitan Areas and Census Agglomerations

The set of Dissemination Area Reference Maps by Census Division covers areas outside census metropolitan areas (CMAs) and census agglomerations (CAs). Each map in the set covers one census division (CD) and shows the boundaries and codes of dissemination areas within that CD. The maps also show the boundaries of census subdivisions, census metropolitan areas and census agglomerations, as well as urban areas and representative points for designated places. The maps include background information such as rivers, lakes, railroad tracks and provincial boundaries, and other significant features.

2. Geographic Data Products

Geographic data products are those that contain 2001 Census population and dwelling counts.

93-360-XPB National Overview Tables, 2001 Census

The National Overview tables provide population and dwelling counts established by the 2001 Census of Canada. The levels of geography covered are Canada, provinces and territories, and other geographic areas including census subdivisions (municipalities), census metropolitan areas and census agglomerations. For selected geographies, the tables provide percentage change in the population and dwellings between 1996 and 2001. Data are also provided for land area and population density. Geographic Boundaries are those in effect on January 1, 2001.

92F0150XCB GeoSuite, 2001 Census

GeoSuite is a tool for data retrieval, query and tabular output, 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. GeoSuite includes a dissemination area (DA) reference map listing that facilitates identification of appropriate DA reference maps.

3. Linkage Information Products

Linkage information provides the shape and location of geographic features. The boundaries, road network and other features of standard geographic areas are available in digital form for mapping and geographic information system (GIS) applications. These products include Cartographic Boundary Files (CBFs), Road Network Files (RNFs) and Skeletal Road Network Files (SRNFs).

Cartographic Boundary Files (CBFs), 2001 Census

Cartographic Boundary Files (CBFs) contain the boundaries of standard geographic areas together with the shoreline around Canada and the larger inland lakes, all integrated in a single layer. In the second

edition (released October 8, 2002), the hydrography was generalized by removing small lakes from the file to reduce noise. Large rivers emptying into the oceans were closed off, then the interior hydrography (double line river and lake polygons) was extracted to create the supplementary hydrography. The coordinates are latitude/longitude and are based on the North American Datum of 1983 (NAD83). The Cartographic Boundary Files for 2001 replace the Digital Cartographic Files produced for the 1996 Census.

Cartographic Boundary Files can be used with Census of Population, Census of Agriculture or other Statistics Canada data for data analysis and thematic mapping (with appropriate software). Geographic codes provide the linkage between the statistical data and the geographic area boundaries. CBFs can also be used to create new geographic areas by aggregating standard geographic areas, and for other data manipulations available with the user's software. The CBFs can be used with the Road Network Files and Skeletal Road Network Files, which provide additional geographic context for mapping applications.

92F0160XCE Provinces and Territories Cartographic Boundary File
 92F0152XCE Federal Electoral Districts (1996 Representation Order) Cartographic Boundary File
 92F0194XCE Federal Electoral Districts (2003 Representation Order) Cartographic Boundary File
 92F0161XCE Census Divisions and Economic Regions Cartographic Boundary File
 92F0167XCE Census Consolidated Subdivisions Cartographic Boundary Files
 92F0162XCE Census Subdivisions Cartographic Boundary Files
 92F0165XCE Designated Places Cartographic Boundary File
 92F0166XCE Census Metropolitan Areas/Census Agglomerations Cartographic Boundary File
 92F0168XCE Census Tracts Cartographic Boundary Files
 92F0164XCE Urban Areas Cartographic Boundary File
 92F0169XCE Dissemination Areas Cartographic Boundary Files

92F0159XCE Population Ecumene Census Division Boundary File, 2001 Census

The Population Ecumene Census Division Boundary File contains a generalised population ecumene based on 2001 Census population density data with at least one ecumene polygon for every census division (CD). It can be used to produce small-scale thematic maps of statistical data.

For the 2001 Census, a population ecumene was defined based on population density criteria at the block level. The resulting detailed population ecumene polygons were generalised and small, non-contiguous ecumene pockets were aggregated to ensure visibility for small-scale thematic mapping at the census division level (see Figure 9). When ecumene boundaries are used for dot and choropleth mapping, they give a more accurate depiction of the linkage distribution of data within standard geographic areas.

The Population Ecumene Census Division Boundary File is available as a standard package for Canada free on the Internet or it can be purchased on CD-ROM through the nearest regional office. This file is not a Cartographic Boundary File and it has its own reference guide.

92F0170XCE Census Forward Sortation Areas Boundary File

The 2001 Census Forward Sortation Area (FSA) Boundary File contains the boundaries of 1,577 forward sortation areas (the first three characters of a postal code) derived from postal codes captured from the 2001 Census of Population questionnaires. Through analysis of the postal codes reported by Census households, a single Forward Sortation Area was assigned to each reported block based on the most frequently reported Forward Sortation Area for the block. Unreported blocks were assigned a Forward Sortation Area based on proximity to reported blocks in the same province or territory.

92F0157XCE Road Network Files (RNF), 2001 Census

Road Network Files (RNFs) contain a road layer for the entire country and a province/territory boundary layer. The road layer includes roads, with road names and address ranges (arc attributes), and geographic codes to identify blocks, census subdivisions, census metropolitan areas/census agglomerations, and provinces/territories (polygon attributes). Address ranges are mainly available in the large urban centres of Canada. The province/territory boundary layer incorporates hydrography (the shoreline around Canada and the larger inland lakes) with the boundaries and the geographic codes. The digital coordinates are in latitude/longitude and are based on the North American Datum of 1983 (NAD83).

Road Network Files are available for Canada, for individual provinces and territories, and for census metropolitan areas (CMAs) and those census agglomerations (CAs) with census tracts.

92F0158XCE Skeletal Road Network Files (SRNF), 2001 Census

The Skeletal Road Network Files contain selected roads (with road names, but no addresses) that are derived from Road Network Files (Catalogue No. 92F0157XCE). The selected roads are ranked according to four levels of detail. The different levels of detail are suitable for mapping at small to medium scales. The SRNF can be used to provide some cartographic reference features when producing thematic maps with the Cartographic Boundary Files. The positional accuracy of the SRNF does not support cadastral, surveying or engineering applications. The SRNF does not include hydrography.

The Skeletal Road Network Files are available for Canada, provinces and territories, and census metropolitan areas (CMAs) and tracted census agglomerations (CAs).

92F0177XCE Block Digital Boundary File

Block digital boundary files portray the official boundaries used for the 2001 Census. They often extend as straight lines into bodies of water. Digital boundary files provide a framework for mapping and geographic analysis that are possible using commercially available geographic information systems (GISs) or other mapping software. The files may not be suitable for mapping or display where realistic shoreline is required.

4. Attribute Information Products

Attribute information products are those that give descriptive information about the features. The attribute files include Postal Code Conversion File (PCCF) and Postal Codes by Federal Ridings File (PCFRF).

92F0153XCE Postal Code Conversion File (PCCF)

The Postal Code Conversion File (PCCF) provides a link between six-character postal code and standard 2001 Census geographic areas (such as dissemination areas, municipalities, 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.

The PCCF is available as standard packages for Canada, the provinces and territories, census metropolitan areas (CMAs) and some census agglomerations (CAs). A reference guide is included.

92F0153UCE Postal Code Conversion File (PCCF) – Update

The Postal Code Conversion File (PCCF) is updated with new postal codes on a semi-annual basis and is available in January and July. Clients must purchase the Postal Code Conversion File at the initial price; then subsequent updated files (92F0154UCE) may be purchased at the update or subscription rate. The update rate is 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 requires

clients to pay in advance for at least one updated file per year until the PCCF reflecting the geography of the 2001 Census is released.

The PCCF Updates are available as standard packages for Canada and the provinces and territories. A reference guide is included.

92F0028XDB Postal Codes by Federal Ridings (1996 Representation Order) File

The Postal Codes by Federal Ridings File (PCFRF) provides a link between the six character postal codes and the federal electoral districts (1996 Representation Order). A federal electoral district (FED), commonly referred to as a federal riding, is an area represented by a Member of Parliament 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 may be organised and/or tabulated by federal riding. This PCFRF allows a link of more than 680,000 postal code records to the 301 federal electoral districts.

The PCFRFs are available as standard packages for Canada and five regions. A reference guide is included.

92F0028UDB Postal Codes by Federal Ridings (1996 Representation Order) File (PCFRF) – Update

The Postal Code by Federal Ridings File (PCFRF) is updated with new postal codes on a semi-annual basis and is available in January and July. Updates released in July provide new postal codes effective January of the release year. Updates released in January provide new postal codes in use in July of the previous year. Clients who purchase the PCFRF (92F0028XDB) at the initial price may then purchase subsequent updated files (92F0028UDB) at the update rate.

The PCFRF Updates are available as standard packages for Canada and five regions.

92F0193XCE Postal Codes by Federal Ridings File (2003 Representation Order)

The Postal Codes by Federal Ridings File (PCFRF) provides a link between the six character postal codes and the federal electoral districts (2003 Representation Order). A federal electoral district (FED), commonly referred to as a federal riding, is an area represented by a Member of Parliament 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 may be organised and/or tabulated by federal riding. This PCFRF allows a link of more than 1.9 million postal code records to the 308 federal electoral districts.

The PCFRFs are available as standard packages for Canada and five regions. A reference guide is included.

92F0193UCB Postal Codes by Federal Ridings File (2003 Representation Order)– Update

The Postal Codes by Federal Ridings File (PCFRF) is updated with new postal codes on a semi-annual basis and is available in January and July. Updates released in July provide new postal codes effective December 2003. Clients who purchase the PCFRF (92F0193XDB) at the initial price may then purchase subsequent updated files (92F0193UCB) at the update rate.

The PCFRF Updates are available as standard packages for Canada and five regions.

5. Geographic Services

A variety of services is available, including custom mapping, custom data extraction (geocoding) and the development of custom geography products.

97C0006 Geography Custom Service

If standard geography products do not satisfy a client's needs, the Geography Custom Service is available to produce non-standard geographic products. Examples include alternative packaging of geographic files, special data retrievals, manipulations or merges using any of the geography computer files (postal codes, attribute files, boundary files and road network files). Contact the nearest regional office for details.

97C0005 Custom Area Creation Service (formerly Geocoding Service)

The Custom Area Creation Service (formerly called Geocoding Service) allows users to define their own geographic areas of study (user-defined areas or aggregations of standard census geographic areas) for census data tabulations. This custom geography is produced from the aggregation of blocks, or where necessary, block-faces within the road network file coverage. The custom area files thus created are then passed to Census for data tabulation. Contact the nearest regional office for details.

97C0007 Geography Custom Mapping

Thematic maps and other maps, specially designed to meet customer needs, can be produced. Contact the nearest regional office for details.

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