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Postal Codes by Federal Ridings (2003 Representation Order) File (PCFRF), 2001 Census (Geography Products: Attribute Information Products), Reference Guide

July 2004



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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 July 2004. This is the same as for the Postal Code Conversion File (PCCF) and refers to the federal ridings based on the 2003 Representation Order.
- The names of 38 Federal Electoral Districts were changed through legislation on 2004 September 1. These changes are reflected in the Federal Electoral District Names File – 2003 Representation Order (FED03.dat).

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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 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 796,225 active postal code records, existing as of July 2004, 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 in the 2003 Representation Order, the most recent revision of the federal riding limits.¹ The FEDs are based on the 2001 census population data.

Reference Dates

The reference date is July 2004 for postal codes contained in the PCFRF. This is the same date as the postal codes contained in the PCCF product released in January 2005.

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 2001 January 1.

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

3 How To Use This Product

The 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 *Section 4 Data Quality*, on page 4.

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.

4.1 Postal Code Characteristics

Before using the 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.

Postal delivery areas do not respect federal riding boundaries

A postal delivery area (as represented by the six character postal code) may straddle one or more federal riding boundaries. This means that, in the Postal Code 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 4.4 Logical Consistency*, on page 6 in this guide for further details.

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

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.

Canada Post Corporation (CPC) regularly retires postal codes and may also reactivate retired postal codes for use again

Users of the PCFRF must keep in mind that the file contains only the postal codes from CPC that are active as of July 2004.

If the addresses of postal codes in a user's administrative file are not updated to July 2004, 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 CPC 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 PCCF. Users may wish to contact their nearest Statistics Canada Regional Office where detailed information about the PCCF is available in the *Postal Code Conversion File Reference Guide*. An updated version of the file including July 2004 postal codes was released in January 2005.

Duplicate Records

When either a 1996 FED boundary or 2003 FED boundary splits a block-face, block, or dissemination area, a duplicate postal code record is created.

4.2 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.

4.2.1 Source Files

Two existing products of the Geography Division at Statistics Canada have been used to derive the PCFRF.

- The January 2005 PCCF links postal codes (provided by CPC on the Postal Code Address Master File updated to July 2004) to geographic codes for all 2001 census geographic areas, including province and federal electoral district 1996 Representative Order and 2003 Representative Order codes. It also provides the geographic point co-ordinates representing the postal codes. The January 2005 PCCF 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 2001 January 1, except for the Federal Electoral District – 2003 Representation Order.
- The Federal Electoral District Names File (FED03.dat) contains the official name of each federal riding – 2003 Representation Order and its associated identification code.

4.2.2 Method of Derivation

The PCFRF was created by linking the active postal codes included in the January 2005 PCCF, containing July 2004 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 796,225 active postal code records of which 783,781 are unique links to one federal electoral district. In total, 5,896 active postal codes (12,444 records) are linked to more than one federal electoral district (further details are provided in *Section 4.4 Logical Consistency*, on page 6). The number of postal code records by federal electoral district is provided in *Appendix A Postal Codes by Federal Ridings*, beginning on page 8.

4.3 Attribute Accuracy

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

The attribute accuracy of the PCFRF is dependent on the accuracy of the PCCF and the table linking the blocks or dissemination areas to the federal ridings.

4.4 Logical Consistency

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

Of the 796,225 active postal code records found on this file, there are 783,781 active postal codes uniquely linked to one federal riding and 5,896 active postal codes that are linked to two or more federal ridings. The following table summarizes them.

FEDs	Active Postal Codes	Records
1	783,781	783,781
2	5,356	10,712
3	443	1,329
4	84	336
5	11	55
6	2	12
Total	5,896	12,444

4.5 Consistency With Other Products

Data contained in the 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.

4.6 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 and active as of July 2004 according to CPC, 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 B Data File Naming Convention*, on page 15. Each file contains the following number of active postal code records:

Filename	Region	Records
pcfrfEastFED308_JUL04_fcpcéfEstCEF308.exe	Atlantic provinces	95,254
pcfrfQueFED308_JUL04_fcpcéfQuéCEF308.exe	Quebec	199,218
pcfrfOntFED308_JUL04_fcpcéfOntCEF308.exe	Ontario	265,997
pcfrfWestFED308_JUL04_fcpcéfOuestCEF308.exe	Prairie provinces, NWT, Nunavut	122,362
pcfrfBCFED308_JUL04_fcpcéfCBCEF308.exe	BC, Yukon	113,394
pcfrfNatFED308_JUL04_fcpcéfNatCEF308.exe	Canada	796,225

5 Technical Specifications

5.1 File Specifications

The current version of the PCFRF is an ASCII file and does not include any software or instructions on how to use the product within specific Geographical Information Systems (GIS) or mapping packages.

5.2 PCFRF Record Layout and Data Descriptions

PCFRF Record Layout

Position	Size	Type ¹	Description
1	6	C	Postal code
7	5	N	Federal riding code
12	56	C	English Federal riding name
68	56	C	French Federal riding name

1. The field type “N” refers to numeric values while “C” refers to both alphabetic and numeric characters

Postal Code

The postal code is a six character alphanumeric code defined and maintained by CPC for the 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 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. This code uniquely identifies a federal electoral district – 2003 Representation Order. The first two digits identify the province or territory.

Appendix A Postal Codes by Federal Ridings

FED	FED Name	Count
10001	Avalon	628
10002	Bonavista - Gander - Grand Falls - Windsor	841
10003	Humber - St. Barbe - Baie Verte	1587
10004	Labrador	369
10005	Random - Burin - St. George's	876
10006	St. John's East	3394
10007	St. John's South - Mount Pearl	2571
11001	Cardigan	352
11002	Charlottetown	1689
11003	Egmont	998
11004	Malpeque	29
12001	Cape Breton - Canso	3211
12002	Central Nova	1269
12003	Dartmouth - Cole Harbour	3111
12004	Halifax	3499
12005	Halifax West	2188
12006	Kings - Hants	1475
12007	Cumberland - Colchester - Musquodoboit Valley	1857
12008	Sackville - Eastern Shore	1733
12009	South Shore - St. Margaret's	1079
12010	Sydney - Victoria	5121
12011	West Nova	693
13001	Acadie - Bathurst	4611
13002	Beauséjour	8069
13003	Fredericton	4416
13004	Fundy Royal	6561
13005	Madawaska - Restigouche	4206
13006	Miramichi	4919
13007	Moncton - Riverview - Dieppe	4457
13008	New Brunswick Southwest	7684
13009	Saint John	4413
13010	Tobique - Mactaquac	7348
24001	Abitibi - Témiscamingue	2524
24002	Ahuntsic	2321
24003	Alfred-Pellan	3395
24004	Argenteuil - Papineau - Mirabel	1796
24005	Beauce	2487
24006	Beauharnois - Salaberry	2353
24007	Beauport - Limoilou	3672
24008	Berthier - Maskinongé	1810
24009	Bourassa	2173
24010	Brome - Missisquoi	2770
24011	Brossard - La Prairie	2639
24012	Chambly - Borduas	3313
24013	Charlesbourg - Haute-Saint-Charles	3537

FED	FED Name	Count
24014	Montmorency - Charlevoix - Haute-Côte-Nord	1733
24015	Châteauguay - Saint-Constant	2559
24016	Chicoutimi - Le Fjord	3594
24017	Compton - Stanstead	1387
24018	Drummond	3613
24019	Gaspésie - Îles-de-la-Madeleine	1403
24020	Gatineau	3362
24021	Hochelaga	2082
24022	Honoré-Mercier	2471
24023	Hull - Aylmer	3902
24024	Jeanne-Le Ber	2598
24025	Joliette	1455
24026	Jonquière - Alma	4532
24027	Lac-Saint-Louis	3869
24028	La Pointe-de-l'Île	2876
24029	LaSalle - Îmard	1769
24030	Laurentides - Labelle	1896
24031	Laurier - Sainte-Marie	2447
24032	Laval	2963
24033	Laval - Les Îles	2959
24034	Lévis - Bellechasse	2501
24035	Longueuil - Pierre-Boucher	2711
24036	Lotbinière - Chutes-de-la-Chaudière	2084
24037	Louis-Hébert	3650
24038	Louis-Saint-Laurent	3242
24039	Manicouagan	2208
24040	Marc-Aurèle-Fortin	3571
24041	Haute-Gaspésie - La Mitis - Matane - Matapédia	2213
24042	Mégantic - L'Îrable	3037
24043	Montcalm	2201
24044	Mount Royal	2393
24045	Notre-Dame-de-Grâce - Lachine	2925
24046	Abitibi - Baie-James - Nunavik - Eeyou	1454
24047	Outremont	1492
24048	Papineau	1749
24049	Pierrefonds - Dollard	2739
24050	Pontiac	2436
24051	Portneuf - Jacques-Cartier	1910
24052	Québec	4130
24053	Repentigny	3813
24054	Bas-Richelieu - Nicolet - Bécancour	2944
24055	Richmond - Arthabaska	2930
24056	Rimouski-Neigette - Témiscouata - Les Basques	1949
24057	Rivière-des-Mille-Îles	2478
24058	Montmagny - L'Islet - Kamouraska - Rivière-du-Loup	1629
24059	Rivière-du-Nord	3261
24060	Roberval - Lac-Saint-Jean	2767
24061	Rosemont - La Petite-Patrie	1775
24062	Saint-Bruno - Saint-Hubert	2961

FED	FED Name	Count
24063	Saint-Hyacinthe - Bagot	2406
24064	Saint-Jean	2808
24065	Saint-Lambert	2821
24066	Saint-Laurent - Cartierville	2578
24067	Saint-Léonard - Saint-Michel	1873
24068	Saint-Maurice - Champlain	4016
24069	Shefford	2168
24070	Sherbrooke	3500
24071	Terrebonne - Blainville	2457
24072	Trois-Rivières	4251
24073	Vaudreuil-Soulanges	2109
24074	Verchères - Les Patriotes	1426
24075	Westmount - Ville-Marie	3411
35001	Ajax - Pickering	2370
35002	Algoma - Manitoulin - Kapuskasing	1031
35003	Ancaster - Dundas - Flamborough - Westdale	267
35004	Barrie	2794
35005	Beaches - East York	2292
35006	Bramalea - Gore - Malton	2515
35007	Brampton - Springdale	1906
35008	Brampton West	2425
35009	Brant	4192
35010	Burlington	3890
35011	Cambridge	3689
35012	Carleton - Mississippi Mills	1868
35013	Chatham-Kent - Essex	2484
35014	Durham	1712
35015	Davenport	1706
35016	Don Valley East	1652
35017	Don Valley West	2602
35018	Dufferin - Caledon	1359
35019	Eglinton - Lawrence	2410
35020	Elgin - Middlesex - London	2626
35021	Essex	2408
35022	Etobicoke Centre	2899
35023	Etobicoke - Lakeshore	3391
35024	Etobicoke North	1909
35025	Glengarry - Prescott - Russell	1003
35026	Bruce - Grey - Owen Sound	1710
35027	Guelph	3481
35028	Haldimand - Norfolk	1846
35029	Haliburton - Kawartha Lakes - Brock	977
35030	Halton	2382
35031	Hamilton Centre	3880
35032	Hamilton East - Stoney Creek	3777
35033	Hamilton Mountain	3456
35034	Huron - Bruce	1005
35035	Kenora	1119
35036	Kingston and the Islands	3698

FED	FED Name	Count
35037	Kitchener Centre	3142
35038	Kitchener - Wilmot - Wellesley - Woolwich	2276
35039	Kitchener - Waterloo	3626
35040	Lanark - Frontenac - Lennox and Addington	2660
35041	Leeds - Grenville	1536
35042	London - Fanshawe	2518
35043	London North Centre	3719
35044	London West	2979
35045	Markham - Unionville	2678
35046	Lambton - Kent - Middlesex	1482
35047	Mississauga - Brampton South	2654
35048	Mississauga East - Cooksville	1677
35049	Mississauga - Erindale	2152
35050	Mississauga South	3129
35051	Mississauga - Streetsville	1995
35052	Nepean - Carleton	2469
35053	Newmarket - Aurora	2714
35054	Niagara Falls	4300
35055	Niagara West - Glanbrook	1421
35056	Nickel Belt	1129
35057	Nipissing - Timiskaming	2201
35058	Northumberland - Quinte West	2503
35059	Oak Ridges - Markham	2487
35060	Oakville	3872
35061	Oshawa	3407
35062	Ottawa Centre	4127
35063	Ottawa - Orléans	2635
35064	Ottawa South	3341
35065	Ottawa - Vanier	3244
35066	Ottawa West - Nepean	3073
35067	Oxford	2959
35068	Parkdale - High Park	1747
35069	Parry Sound - Muskoka	1078
35070	Perth - Wellington	1882
35071	Peterborough	3008
35072	Pickering - Scarborough East	2217
35073	Prince Edward - Hastings	1669
35074	Renfrew - Nipissing - Pembroke	2945
35075	Richmond Hill	2418
35076	St. Catharines	4445
35077	St. Paul's	2254
35078	Sarnia - Lambton	2844
35079	Sault Ste. Marie	2927
35080	Scarborough - Agincourt	1695
35081	Scarborough Centre	2048
35082	Scarborough - Guildwood	1796
35083	Scarborough - Rouge River	1839
35084	Scarborough Southwest	2189
35085	Simcoe - Grey	1038

FED	FED Name	Count
35086	Simcoe North	2264
35087	Stormont - Dundas - South Glengarry	2152
35088	Sudbury	3175
35089	Thornhill	2995
35090	Thunder Bay - Rainy River	2594
35091	Thunder Bay - Superior North	2491
35092	Timmins - James Bay	1920
35093	Toronto Centre	2642
35094	Toronto - Danforth	2161
35095	Trinity - Spadina	2642
35096	Vaughan	2441
35097	Welland	4379
35098	Wellington - Halton Hills	1855
35099	Whitby - Oshawa	3321
35100	Willowdale	2460
35101	Windsor - Tecumseh	3279
35102	Windsor West	4286
35103	York Centre	2339
35104	York - Simcoe	1803
35105	York South - Weston	2147
35106	York West	1354
46001	Brandon - Souris	2097
46002	Charleswood - St. James - Assiniboia	2200
46003	Churchill	738
46004	Dauphin - Swan River - Marquette	709
46005	Elmwood - Transcona	2220
46006	Kildonan - St. Paul	1996
46007	Portage - Lisgar	1273
46008	Provencher	441
46009	Saint Boniface	2413
46010	Selkirk - Interlake	856
46011	Winnipeg Centre	2822
46012	Winnipeg North	2143
46013	Winnipeg South	1804
46014	Winnipeg South Centre	2165
47001	Battlefords - Lloydminster	1111
47002	Blackstrap	1736
47003	Desnethé - Missinippi - Churchill River	271
47004	Cypress Hills - Grasslands	1053
47005	Palliser	2726
47006	Prince Albert	1481
47007	Regina - Lumsden - Lake Centre	1767
47008	Regina - Qu'Appelle	1791
47009	Saskatoon - Humboldt	1495
47010	Saskatoon - Rosetown - Biggar	1907
47011	Saskatoon - Wanuskewin	1610
47012	Souris - Moose Mountain	1186
47013	Wascana	2649
47014	Yorkton - Melville	820

FED	FED Name	Count
48001	Fort McMurray - Athabasca	1283
48002	Calgary East	3676
48003	Calgary Centre-North	4325
48004	Calgary Northeast	2483
48005	Calgary - Nose Hill	2017
48006	Calgary Centre	4783
48007	Calgary Southeast	2666
48008	Calgary Southwest	2667
48009	Calgary West	3050
48010	Crowfoot	1293
48011	Edmonton - Mill Woods - Beaumont	2615
48012	Edmonton Centre	5327
48013	Edmonton East	4629
48014	Edmonton - Leduc	3164
48015	Edmonton - St. Albert	3457
48016	Edmonton - Sherwood Park	3336
48017	Edmonton - Spruce Grove	2794
48018	Edmonton - Strathcona	4647
48019	Lethbridge	3509
48020	Macleod	879
48021	Medicine Hat	2833
48022	Peace River	1962
48023	Red Deer	2672
48024	Vegreville - Wainwright	1475
48025	Battle River	1005
48026	Wetaskiwin	1242
48027	Wild Rose	1722
48028	Yellowhead	840
59001	Abbotsford	2864
59002	Burnaby - Douglas	3426
59003	Burnaby - New Westminster	3046
59004	Cariboo - Prince George	3887
59005	Chilliwack - Fraser Canyon	1978
59006	Delta - Richmond East	3466
59007	Pitt Meadows - Maple Ridge - Mission	3503
59008	Esquimalt - Juan de Fuca	3407
59009	Fleetwood - Port Kells	2548
59010	Kamloops - Thompson - Cariboo	2919
59011	Kelowna - Lake Country	3935
59012	Kootenay - Columbia	1520
59013	Langley	3067
59014	Nanaimo - Alberni	3440
59015	Nanaimo - Cowichan	2931
59016	Newton - North Delta	3090
59017	New Westminster - Coquitlam	3817
59018	Okanagan - Shuswap	2694
59019	North Vancouver	4003
59020	Okanagan - Coquihalla	2269
59021	Port Moody - Westwood - Port Coquitlam	2626

FED	FED Name	Count
59022	Prince George - Peace River	3341
59023	Richmond	2456
59024	Saanich - Gulf Islands	3965
59025	Skeena - Bulkley Valley	1768
59026	British Columbia Southern Interior	2397
59027	South Surrey - White Rock - Cloverdale	3327
59028	Surrey North	3351
59029	Vancouver Centre	2914
59030	Vancouver East	3296
59031	Vancouver Island North	3144
59032	Vancouver Kingsway	3207
59033	Vancouver Quadra	4087
59034	Vancouver South	3050
59035	Victoria	4666
59036	West Vancouver - Sunshine Coast - Sea to Sky Country	3058
60001	Yukon	931
61001	Western Arctic	501
62001	Nunavut	30

Appendix B Data File Naming Convention

The naming convention for PCFRF data files is bilingual and reflects the reference date of the CPC data used in the release.

Name Structure

data type / region / FED / CPC version date / French translation

<i>data type</i>	pcfrf
<i>region</i>	name abbreviation of region
<i>FED</i>	FED indicator
<i>CPC version date</i>	reference date of CPC postal code data

Data files in this release are:

National File

pcfrfNatFED308_JUL04_fcpcéfNatCEF308.exe

Regional Files

pcfrfEastFED308_JUL04_fcpcéfEstCEF308.exe

pcfrfQueFED308_JUL04_fcpcéfQuéCEF308.exe

pcfrfOntFED308_JUL04_fcpcéfOntCEF308.exe

pcfrfWestFED308_JUL04_fcpcéfOuestCEF308.exe

pcfrfBCFED308_JUL04_fcpcéfCBCEF308.exe

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Appendix D 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 Map¹

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

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

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.

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 2001 January 1.

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. Spatial Information Products

Spatial 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
92F0163XCE 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 spatial 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 PCCF 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 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 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.

92F0193XCB 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 700,000 postal codes 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 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 (92F0193XCB) 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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