

U S E R S U M M A R Y T A P E

LONG FORM FAMILY FILE 1

AAAAAA	2222222	FFFFFFFF	AAAAAA	MM	MM	0000	0000	1
AAAAAAAA	22222222	FFFFFFFF	AAAAAAAA	MMM	MMM	000000	000000	11
AA AA	22	FF	AA AA	MMMMMMM		00 00	00 00	111
AA AA	222	FFFFFFF	AA AA	MM MM MM		00 00	00 00	11
AAAAAAAA	222	FFFFFFF	AAAAAAAA	MM	MM	00 00	00 00	11
AAAAAAAA	22	FF	AAAAAAAA	MM	MM	00 00	00 00	11
AA AA	22222222	FF	AA AA	MM	MM	000000	000000	111111
AA AA	22222222	FF	AA AA	MM	MM	0000	0000	111111

EXTERNAL DECIMAL

1971 CENSUS OF CANADA

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.. SECTION ..
.. A ..
.....
FILE CONTENT
.....

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LONG FORM FAMILY FILE 1 (LEVEL 1)

TABLE 1

TOTAL FAMILIES

TABLE 2

(PART 1)

FAMILIES BY CHILDREN BY AGE OF UNMARRIED CHILDREN (0-24 YEARS) (5)  
BY WORK OR SCHOOL ACTIVITY IF AGED 15 OR MORE (3)

```

FAMILIES WITH NO CHILDREN
FAMILIES WITH CHILDREN
TOTAL UNMARRIED CHILDREN
  UNDER 6 YEARS OF AGE
    6 TO 14 YEARS
    15 TO 18 YEARS
      AT SCHOOL
      IN LABOUR FORCE
      BOTH
    19 TO 24 YEARS
      AT SCHOOL
      IN LABOUR FORCE
      BOTH

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(PART 2)

AVERAGE NUMBER OF CHILDREN PER FAMILY

TABLE 3

FAMILY INCOME (AGGREGATE AND AVERAGE)

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AGGREGATE INCOME
AVERAGE INCOME

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## TABLE 4

## FAMILIES BY NUMBER OF INCOME RECIPIENTS (6)

ONE  
TWO  
THREE OR MORE  
TOTAL INCOME RECIPIENTS IN FAMILIES  
AVERAGE NUMBER OF INCOME RECIPIENTS PER FAMILY  
TOTAL FAMILIES WITH NO INCOME RECIPIENTS

## TABLE 5

## FAMILY HEADS BY SCHOOLING LEVEL (9)

TOTAL FAMILY HEADS  
NO SCHOOLING  
UNDER GRADE 9  
GRADE 9 TO 10  
GRADE 11  
GRADE 12  
GRADE 13  
UNIVERSITY (SOME)  
UNIVERSITY DEGREE

## TABLE 6

## FAMILY HEADS BY OFFICIAL LANGUAGE (4)

TOTAL FAMILY HEADS  
ENGLISH  
FRENCH  
BOTH ENGLISH AND FRENCH  
NEITHER ENGLISH NOR FRENCH

## TABLE 7

## INCOME OF FAMILY HEADS (AGGREGATE AND AVERAGE)

AGGREGATE INCOME  
AVERAGE INCOME

## TABLE 8

## FAMILY HEADS BY OCCUPATION (18)

TOTAL IN EXPERIENCED LABOUR FORCE  
 MANAGEMENT, ADMINISTRATIVE AND RELATED OCCUPATIONS  
 TEACHING AND RELATED OCCUPATIONS  
 MEDICINE AND HEALTH OCCUPATIONS  
 TECHNOLOGICAL, SOCIAL, ARTISTIC AND RELIGIOUS  
 CLERICAL AND RELATED OCCUPATIONS  
 SALES OCCUPATIONS  
 SERVICE OCCUPATIONS  
 FARMING, HORTICULTURAL AND ANIMAL HUSBANDRY  
     FARMERS  
 OTHER PRIMARY OCCUPATIONS  
 PROCESSING OCCUPATIONS  
 MACHINING, FABRICATING, ASSEMBLING AND REPAIR  
 CONSTRUCTION TRADES OCCUPATIONS  
 TRANSPORT EQUIPMENT OPERATING OCCUPATIONS  
 OTHER OCCUPATIONS  
 OCCUPATION NOT STATED  
 ALL OTHER FAMILY HEADS

## TABLE 9

## TOTAL NON-FAMILY PERSONS

## TABLE 10

## INCOME OF NON-FAMILY PERSONS (AGGREGATE AND AVERAGE)

AGGREGATE INCOME  
 AVERAGE INCOME

## TABLE 11

## NON-FAMILY PERSONS BY OFFICIAL LANGUAGE (4)

ENGLISH  
 FRENCH  
 BOTH ENGLISH AND FRENCH  
 NEITHER ENGLISH NOR FRENCH

TABLE 12

## NON-FAMILY PERSONS BY OCCUPATION (18)

TOTAL IN EXPERIENCED LABOUR FORCE  
 MANAGEMENT, ADMINISTRATIVE AND RELATED OCCUPATIONS  
 TEACHING AND RELATED OCCUPATIONS  
 MEDICINE AND HEALTH OCCUPATIONS  
 TECHNOLOGICAL, SOCIAL, ARTISTIC AND RELIGIOUS  
 CLERICAL AND RELATED OCCUPATIONS  
 SALES OCCUPATIONS  
 SERVICE OCCUPATIONS  
 FARMING, HORTICULTURAL AND ANIMAL HUSBANDRY  
     FARMERS  
 OTHER PRIMARY OCCUPATIONS  
 PROCESSING OCCUPATIONS  
 MACHINING, FABRICATING, ASSEMBLING AND REPAIR  
 CONSTRUCTION TRADES OCCUPATIONS  
 TRANSPORT EQUIPMENT OPERATING OCCUPATIONS  
 OTHER OCCUPATIONS  
 OCCUPATION NOT STATED  
 ALL OTHER NON-FAMILY PERSONS

TABLE 13

## INCOME OF HOUSEHOLDS, FROM ALL SOURCES (AGGREGATE AND AVERAGE)

TOTAL HOUSEHOLDS  
 AGGREGATE INCOME  
 AVERAGE INCOME

TABLE 14

## INCOME OF ECONOMIC FAMILIES (AGGREGATE AND AVERAGE)

TOTAL ECONOMIC FAMILIES  
 AGGREGATE INCOME  
 AVERAGE INCOME

TABLE 15

## INCOME OF NON-ECONOMIC FAMILY PERSONS (AGGREGATE AND AVERAGE)

TOTAL NON-ECONOMIC FAMILY PERSONS  
 AGGREGATE INCOME  
 AVERAGE INCOME

SECTION

## FILE SPECIFICATIONS

B

GEOGRAPHIC LEVEL: ENUMERATION AREA SERIES (EA)

FILE NAME: LONG FORM FAMILY FILE 1

DATA SET NAME : A2FAM001  
 CHARACTER MODE : EXTERNAL DECIMAL  
 LOGICAL RECORD LENGTH: 701  
 BLOCK SIZE : 3,505  
 BLOCKING FACTOR : 5  
 NUMBER OF RECORDS : 40,985  
 NUMBER OF TAPE REELS : =2 (9 TRACKS, 1600 B.P.I.)  
                           =1 (9 TRACKS, 800 B.P.I.)  
                           =2 (7 TRACKS, 800 B.P.I.)

ORIGINAL NUMBER OF E.A.'S (JUNE 1,1971) :42,533  
 NO. OF E.A.'S IN THIS FILE :40,985

REASONS FOR DIFFERENCE- NO. OF COMBINED E.A.'S : 766  
 - NO. OF NO POPULATION E.A.'S (INCLUDING  
   5 E.A.'S WITH NO 2B INFORMATION) : 782  
 - NO. OF COLLECTIVE AND LATE ADDITION E.A.'S: 0

## LIST OF E.A.'S WITH NO 2B INFORMATION:

PROVINCE	ED	EA
35	01	269
46	02	309
47	13	260
48	15	252
59	08	404

SEQUENCE: ENUMERATION AREA FILES ARE IN ASCENDING ORDER FROM  
 NEWFOUNDLAND TO YUKON BY REGION, PROVINCE, FEDERAL ELECTORAL  
 DISTRICT AND ENUMERATION AREA.

NOTE: A COMPLETE LIST OF THE NO POPULATION, COMBINED AND COLLECTIVE EA'S  
 CAN BE OBTAINED FROM - DATA DISSEMINATION  
 CENSUS FIELD  
 STATISTICS CANADA  
 613-996-5254

```

.....
.. SECTION .. DEFINITION OF GEOGRAPHIC REGIONS AND AN
.. C .. EXPLANATION OF GEO-STATISTICAL CODES
.....
    
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.....
.. FIELD 1 ..
.. POSITION 1-2 .. PROVINCE
.....
    
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CANADA'S POPULATION IS SPREAD OVER 10 PROVINCES AND 2 TERRITORIES; THE TERRITORIES BEING REGARDED AS EQUIVALENT TO THE PROVINCES. THE IDENTIFICATION OF A SINGLE PROVINCE REQUIRES THE CODE OF THE REGION OF CANADA (FIRST DIGIT) AND THEN THE CODE OF THE PROVINCE ITSELF (SECOND DIGIT).

THE 10 PROVINCES AND 2 TERRITORIES ARE REGROUPED INTO 6 REGIONS:

PROVINCE CODE	PROVINCE NAME	REGION CODE	REGION NAME
10	NEWFOUNDLAND	1	ATLANTIC
11	PRINCE EDWARD ISLAND	1	ATLANTIC
12	NOVA SCOTIA	1	ATLANTIC
13	NEW BRUNSWICK	1	ATLANTIC
24	QUEBEC	2	QUEBEC
35	ONTARIO	3	ONTARIO
46	MANITOBA	4	WEST
47	SASKATCHEWAN	4	WEST
48	ALBERTA	4	WEST
59	BRITISH COLUMBIA	5	BRITISH COLUMBIA
60	NORTH WEST TERRITORIES	6	TERRITORIES
61	YUKON	6	TERRITORIES

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.....
.. FIELD 2 ..
.. POSITION 3-4 .. FEDERAL ELECTORAL DISTRICT
.....
    
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ANY TERRITORIAL UNIT ENTITLED TO RETURN A MEMBER TO SERVE IN THE HOUSE OF COMMONS, FEDERAL ELECTORAL DISTRICTS RECOGNIZED BY THE CENSUS DIFFER FROM THE PROVINCIAL ELECTORAL DISTRICTS. ED'S ARE CHANGED BY PARLIAMENT AFTER EACH DECENNIAL CENSUS, REFLECTING THE SHIFTS OF POPULATION IN THE COUNTRY. ED'S CAN CUT ACROSS COUNTIES AND MUNICIPALITIES, BUT NEVER ACROSS PROVINCES.

ACCORDING TO THE 1966 REDISTRIBUTION ACT, THERE ARE 264 ED'S IN CANADA.  
 SEE OFFICIAL CODES BELOW

.....  
 .  
 LIST OF FEDERAL ELECTORAL DISTRICTS  
 .  
 .....

## NEWFOUNDLAND

RP	ED		RP	ED
10	01	BONAVISTA-TRINITY-CONCEPTION	.	
10	02	BURIN-BURGED	.	10 03 GANDER-TWILLINGATE
10	04	GRAND FALLS-WHITE BAY-LABRADOR	.	10 05 HUMBER-ST. GEORGES-ST. BARBE
10	06	ST. JOHN'S EAST	.	10 07 ST. JOHN'S WEST

## PRINCE EDWARD ISLAND

RP	ED		RP	ED
11	01	CARDIGAN	.	11 02 EGMONT
11	03	HILLSBOROUGH	.	11 04 MALPEQUE

## NOVA SCOTIA

RP	ED		RP	ED
12	01	ANNAPOLIS VALLEY	.	12 02 CAPE BRETON-EAST
12	03	CAPE BRETON HIGHLANDS CANSO	.	12 04 CAPE BRETON-THE SYDNEYS
12	05	CENTRAL NOVA	.	12 06 CUMBERLAND-COLCHESTER NORTH
12	07	DARTMOUTH-HALIFAX EAST	.	12 08 HALIFAX
12	09	HALIFAX-EAST HANTS	.	12 10 SOUTH SHORE
12	11	SOUTH WESTERN NOVA	.	

## NEW BRUNSWICK

RP	ED		RP	ED
13	01	CARLETON-CHARLOTTE	.	
13	02	FUNDY-ROYAL	.	13 03 GLOUCESTER
13	04	MADAWASKA-VICTORIA	.	13 05 MONCTON
13	06	NORTHUMBERLAND-MIRAMICHI	.	13 07 RESTIGOUCHE
13	08	SAINT JOHN-LANCASTER	.	13 09 WESTMORLAND-KENT
13	10	YORK-SUNBURY	.	

## QUEBEC

RP	ED		RP	ED
24	01	ABITIBI	.	
24	02	AHUNTSIC	.	24 03 ARGENTEUIL-DEUX-MONTAGNES
24	04	BEAUCE	.	24 05 BEAUHARNOIS-SALABERRY
24	06	BELLECHASSE	.	24 07 BERTHIER
24	08	BONAVENTURE-ILES DE LA MADELEINE	.	24 09 MONTREAL-BOURASSA
24	10	CHAMBLY	.	24 11 CHAMPLAIN
24	12	CHARLEVOIX	.	24 13 CHICOUTIMI
24	14	COMPTON	.	24 15 DOLLARD



RP ED

24 16 DRUMMOND  
 24 18 FRONTENAC  
 24 20 GASPE  
 24 22 HOCHELAGA  
 24 24 JOLIETTE  
 24 26 LABELLE  
 24 28 LAC-SAINT-JEAN  
 24 30 LANGELIER  
 24 32 LAPRAIRIE  
 24 34 LAURIER  
 24 36 LEVIS  
 24 38 LOTBINIERE  
 24 40 MAISONNEUVE-ROSEMONT  
 24 42 MATANE  
 24 44 BROME-MISSISQUOI  
 24 46 MOUNT ROYAL  
 24 48 OUTREMONT  
 24 50 PONTIAC  
 24 52 QUEBEC-EST  
 24 54 RICHMOND  
 24 56 ROBERVAL  
 24 58 SAINT-HENRI  
 24 60 SAINT-JACQUES  
 24 62 SAINTE-MARIE  
 24 64 SAINT-MICHEL  
 24 66 SHERBROOKE  
 24 68 TEMISCOUATA  
 24 70 TROIS-RIVIERES  
 24 72 VERDUN  
 24 74 WESTMOUNT

RP ED

• 24 17 DUVERNAY  
 • 24 19 GAMELIN  
 • 24 21 GATINEAU  
 • 24 23 HULL  
 • 24 25 KAMOURASKA  
 • 24 27 LACHINE  
 • 24 29 LAFONTAINE  
 • 24 31 LAPOINTE  
 • 24 33 LASALLE  
 • 24 35 LAVAL  
 • 24 37 LONGUEUIL  
 • 24 39 LOUIS-HEBERT  
 • 24 41 MANICOUAGAN  
 • 24 43 MERCIER  
 • 24 45 MONTMORENCY  
 • 24 47 NOTRE-DAME-DE-GRACE  
 • 24 49 PAPINEAU  
 • 24 51 PORTNEUF  
 • 24 53 RICHELIEU  
 • 24 55 RIMOUSKI  
 • 24 57 SAINT-DENIS  
 • 24 59 SAINT-HYACINTHE  
 • 24 61 SAINT-JEAN  
 • 24 63 SAINT-MAURICE  
 • 24 65 SHEFFORD  
 • 24 67 TEMISCAMINGUE  
 • 24 69 TERREBONNE  
 • 24 71 VAUDREUIL  
 • 24 73 VILLENEUVE

## ONTARIO

RP ED

35 01 ALGOMA  
 35 02 BRANT  
 35 04 BRUCE  
 35 06 DAVENPORT  
 35 08 EGLINTON  
 35 10 ESSEX  
 35 12 FORT WILLIAM  
 35 14 GLENGARRY-PRESCOTT-RUSSELL  
 35 16 GRENVILLE-CARLETON  
 35 18 HALTON

RP ED

• 35 03 BROADVIEW  
 • 35 05 COCHRANE  
 • 35 07 DON VALLEY  
 • 35 09 ELGIN  
 • 35 11 ETOBICOKE  
 • 35 13 FRONTENAC-LENNOX-ADDINGTON  
 • 35 15 GREENWOOD  
 • 35 17 GREY-SIMCOE  
 • 35 19 HALTON-WENTWORTH

RP ED

35 20 HAMILTON EAST  
 35 22 HAMILTON-WENTWORTH  
 35 24 HASTINGS  
 35 26 HURON  
 35 28 KENT-ESSEX  
 35 30 KITCHENER  
 35 32 LAMBTON-KENT  
 35 34 LEEDS  
 35 36 LONDON EAST  
 35 38 MIDDLESEX  
 35 40 NICKEL BELT  
 35 42 NORFOLK-HALDIMAND  
 35 44 ONTARIO  
 35 46 OTTAWA-CARLETON  
 35 48 OTTAWA EAST  
 35 50 OXFORD  
 35 52 PARRY SOUND-MUSKOKA  
 35 54 PEEL SOUTH  
 35 56 PETERBOROUGH  
 35 58 PRINCE EDWARD-HASTINGS  
 35 60 ROSEDALE  
 35 62 SAULT STE. MARIE  
 35 64 ST. PAUL'S  
 35 66 SCARBOROUGH WEST  
 35 68 SPADINA  
 35 70 SUDBURY  
 35 72 TIMISKAMING  
 35 74 TRINITY  
 35 76 WATERLOO  
 35 78 WELLINGTON  
 35 80 WINDSOR-WALKERVILLE  
 35 82 YORK CENTRE  
 35 84 YORK NORTH  
 35 86 YORK-SIMCOE  
 35 88 YORK WEST

RP ED

• 35 21 HAMILTON MOUNTAIN  
 • 35 23 HAMILTON WEST  
 • 35 25 HIGH PARK  
 • 35 27 KENORA-RAINY RIVER  
 • 35 29 KINGSTON AND THE ISLANDS  
 • 35 31 TORONTO-LAKESHORE  
 • 35 33 LANARK-RENFREW-CARLETON  
 • 35 35 LINCOLN  
 • 35 37 LONDON WEST  
 • 35 39 NIAGARA FALLS  
 • 35 41 NIPISSING  
 • 35 43 NORTHUMBERLAND-DURHAM  
 • 35 45 OSHAWA-WHITBY  
 • 35 47 OTTAWA CENTRE  
 • 35 49 OTTAWA WEST  
 • 35 51 PARKDALE  
 • 35 53 PEEL-DUFFERIN-SIMCOE  
 • 35 55 PERTH-WILMOT  
 • 35 57 PORT ARTHUR  
 • 35 59 RENFREW NORTH  
 • 35 61 SARNIA-LAMBTON  
 • 35 63 ST. CATHARINES  
 • 35 65 SCARBOROUGH EAST  
 • 35 67 SIMCOE NORTH  
 • 35 69 STORMONT-DUNDAS  
 • 35 71 THUNDER BAY  
 • 35 73 TIMMINS  
 • 35 75 VICTORIA-HALIBURTON  
 • 35 77 WELLAND  
 • 35 79 WELLINGTON-GREY-DUFFERIN-WATERLOO  
 • 35 81 WINDSOR WEST  
 • 35 83 YORK EAST  
 • 35 85 YORK-SCARBOROUGH  
 • 35 87 YORK SOUTH  
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## MANITOBA

RP ED

46 01 BRANDON-SOURIS  
 46 02 CHURCHILL  
 46 04 LISGAR  
 46 06 PORTAGE  
 46 08 ST. BONIFACE  
 46 10 WINNIPEG NORTH  
 46 12 WINNIPEG SOUTH

RP ED

• 46 03 DAUPHIN  
 • 46 05 MARQUETTE  
 • 46 07 PROVENCHER  
 • 46 09 SELKIRK  
 • 46 11 WINNIPEG NORTH CENTRE  
 • 46 13 WINNIPEG SOUTH CENTRE

## SASKATCHEWAN

RP ED

47 01 ASSINIBOIA  
 47 03 MACKENZIE  
 47 05 MOOSE JAW  
 47 07 QU'APPELLE-MOOSE MOUNTAIN  
 47 09 REGINA-LAKE CENTRE  
 47 11 SASKATOON-HUMBOLDT  
 47 13 YORKTON-MELVILLE

RP ED

• 47 02 BATTLEFORD-KINDERSLEY  
 • 47 04 MEADOW LAKE  
 • 47 06 PRINCE ALBERT  
 • 47 08 REGINA EAST  
 • 47 10 SASKATOON-BIGGAR  
 • 47 12 SWIFT CURRENT-MAPLE CREEK  
 •

## ALBERTA

RP ED

48 01 ATHABASCA  
 48 02 BATTLE RIVER  
 48 04 CALGARY NORTH  
 48 06 CROWFOOT  
 48 08 EDMONTON EAST  
 48 10 EDMONTON WEST  
 48 12 MEDICINE HAT  
 48 14 PEACE RIVER  
 48 16 RED DEER  
 48 18 VEGREVILLE

RP ED

•  
 • 48 03 CALGARY CENTRE  
 • 48 05 CALGARY SOUTH  
 • 48 07 EDMONTON CENTRE  
 • 48 09 EDMONTON-STRATHCONA  
 • 48 11 LETHBRIDGE  
 • 48 13 PALLISER  
 • 48 15 PEMBINA  
 • 48 17 ROCKY MOUNTAIN  
 • 48 19 WETASKIWIN

## BRITISH COLUMBIA

RP ED

59 01 BURNABY-RICHMOND-DELTA  
 59 03 CAPILANO  
 59 05 COMOX-ALBERNI  
 59 07 FRASER VALLEY EAST  
 59 09 KAMLOOPS-CARIBOO  
 59 11 NANAIMO-COWICHAN-THE ISLANDS  
 59 13 OKANAGAN BOUNDARY  
 59 15 PRINCE GEORGE-PEACE RIVER  
 59 17 SURREY-WHITE ROCK  
 59 19 VANCOUVER EAST  
 59 21 VANCOUVER QUADRA  
 59 23 VICTORIA

RP ED

• 59 02 BURNABY-SEYMOUR  
 • 59 04 COAST CHILCOTIN  
 • 59 06 ESQUIMALT-SAANICH  
 • 59 08 FRASER VALLEY WEST  
 • 59 10 KOOTENAY WEST  
 • 59 12 NEW WESTMINSTER  
 • 59 14 OKANAGAN-KOOTENAY  
 • 59 16 SKEENA  
 • 59 18 VANCOUVER CENTRE  
 • 59 20 VANCOUVER KINGSWAY  
 • 59 22 VANCOUVER SOUTH  
 •

## YUKON

RP ED

60 89 YUKON

•

## NORTHWEST TERRITORIES

RP ED

61 99 NORTHWEST TERRITORIES

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.....
. FIELD           3 .
. POSITION        5-7 .      ENUMERATION AREA
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SPATIAL UNIT CANVASSED BY ONE CENSUS REPRESENTATIVE. IT IS DEFINED ACCORDING TO THE FOLLOWING CRITERIA:

- .POPULATION: AN EA MAY INCLUDE AS MANY AS 300 HOUSEHOLDS, DEPENDING ON ITS LOCATION.
- .NUMBER OF FARMS: AN EA ALWAYS INCLUDES FEWER THAN 100 FARMS.
- .LIMITS: AN EA BEING THE BUILDING BLOCK OF ALL STATISTICAL AREAS, NEVER CUTS ACROSS ANY AREA RECOGNIZED BY THE CENSUS. MOREOVER, EA BOUNDARIES ARE SUCH THAT THE CENSUS REPRESENTATIVE WILL BE ABLE TO LOCATE THEM WITHOUT DIFFICULTY, E.G., STREETS, ROADS, RAILWAYS, RIVERS AND LAKES ARE USED AS BOUNDARIES.

EA'S CHANGE FROM CENSUS TO CENSUS DUE TO POPULATION SHIFTS AND CHANGES OF ELECTORAL, MUNICIPAL AND STATISTICAL AREA BOUNDARIES. FOR THIS REASON, THE EA NUMBERING CHANGES FROM CENSUS TO CENSUS. CONVERSION TABLES ARE AVAILABLE FROM CUSTOMER SERVICES.

IDENTIFICATION OF A PARTICULAR EA REQUIRES FIRST THE PROVINCE CODE (2 DIGITS), THEN THE ED CODE (2 DIGITS) AND THE EA CODE (3 DIGITS) FOR A TOTAL OF 7 DIGITS.

VALID CODES: SEE OFFICIAL LIST.

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.....
. FIELD           4 .
. POSITION        8-9 .      COUNTY OR CENSUS DIVISION
.
.....
    
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THE PROVINCIAL GOVERNMENTS OF PRINCE EDWARD ISLAND, NOVA SCOTIA, NEW BRUNSWICK AND QUEBEC HAVE DIVIDED THEIR TERRITORY INTO UNITS CALLED 'COUNTIES' OR 'CO.'. IN BRITISH COLUMBIA, A REVISION IN 1967 OF THE ADMINISTRATIVE STRUCTURE LED TO THE CREATION OF CENSUS DIVISIONS WHICH ARE CONSIDERED, FOR STATISTICAL PURPOSES, AS EQUIVALENT TO COUNTIES. IN ONTARIO, BESIDES THE TRADITIONAL COUNTIES, THERE ARE 'REGIONAL MUNICIPALITIES' AND 'DISTRICT MUNICIPALITIES' WHICH ARE TREATED AS COUNTIES IN THE TABLES.

IN SOME PROVINCES, THERE IS NO ADMINISTRATIVE LEVEL BETWEEN THE PROVINCE AND THE MUNICIPALITY. THIS IS WHY STATISTICS CANADA, IN COLLABORATION WITH THE PROVINCIAL GOVERNMENTS, HAS CREATED CENSUS DIVISIONS (CD'S) IN ALBERTA, SASKATCHEWAN, MANITOBA AND NEWFOUNDLAND FOR WHICH IT PROVIDES THE SAME DATA AS FOR COUNTIES.

ON THE WHOLE, COUNTIES AND THEIR EQUIVALENTS ARE STABLE UNITS WHICH ARE VERY USEFUL FOR THE PREPARATION OF HISTORICAL SERIES. HOWEVER, IT WILL BE IMPOSSIBLE TO MAKE A COMPARISON BETWEEN THE FORMER DIVISIONS AND THE NEW REGIONAL DISTRICTS IN BRITISH COLUMBIA, EXCEPT FOR THE TOTAL POPULATION COUNTS.

THERE ARE 256 COUNTIES COVERING THE WHOLE POPULATION OF CANADA. THESE CODES CONSIST OF 2 DIGITS FOR EACH CO. OR CD WITHIN A PROVINCE. THE COUNTIES ARE NUMBERED IN ALPHABETICAL ORDER, WHILE THE NUMBERING OF THE DIVISIONS FOLLOWS A ZIGZAG PATTERN.

THE CO. AND CD CODES COME HIERARCHICALLY AFTER THAT OF THE PROVINCE IN WHICH THEY ARE LOCATED, AND BEFORE THAT OF THEIR CONSTITUENT MUNICIPALITIES; THUS, IDENTIFICATION OF A PARTICULAR CO. OR CD REQUIRES FIRST THE STANDARD GEOGRAPHIC CODE OF THE PROVINCE (2 DIGITS), FOLLOWED BY THE 2 DIGITS OF THE CO. OR CD ITSELF, I.E., A TOTAL OF 4 DIGITS.

SEE OFFICIAL CODES BELOW

.....  
 :  
 : LIST OF COUNTIES AND CENSUS DIVISIONS :  
 :  
 .....

NEWFOUNDLAND

RP	CD		RP	CD	
10	01	DIVISION NO.01	.		
10	02	DIVISION NO.02	.	10 03	DIVISION NO.03
10	04	DIVISION NO.04	.	10 05	DIVISION NO.05
10	06	DIVISION NO.06	.	10 07	DIVISION NO.07
10	08	DIVISION NO.08	.	10 09	DIVISION NO.09
10	10	DIVISION NO.10	.		

PRINCE-EDWARD-ISLAND

RP	CD		RP	CD	
11	01	KINGS	.		
11	02	PRINCE	.	11 03	QUEENS

## NOVA SCOTIA

RP	CD		RP	CD		
12	01	ANNAPOLIS	•	12	02	ANTIGONISH
12	03	CAPE BRETON	•	12	04	COLCHESTER
12	05	CUMBERLAND	•	12	06	DIGBY
12	07	GUYSBOROUGH	•	12	08	HALIFAX
12	09	HANTS	•	12	10	INVERNESS
12	11	KINGS	•	12	12	LUNENBURG
12	13	PICTOU	•	12	14	QUEENS
12	15	RICHMOND	•	12	16	SHEL BURNE
12	17	VICTORIA	•	12	18	YARMOUTH

## NEW BRUNSWICK

RP	CD		RP	CD		
13	01	ALBERT	•	13	02	CARLETON
13	03	CHARLOTTE	•	13	04	GLOUCESTER
13	05	KENT	•	13	06	KINGS
13	07	MADAWASKA	•	13	08	NORT HUMBERLAND
13	09	QUEENS	•	13	10	RESTIGOUCHE
13	11	ST. JOHN	•	13	12	SUNBURY
13	13	VICTORIA	•	13	14	WESTMORLAND
13	15	YORK	•			

## QUEBEC

RP	CD		RP	CD		
24	01	ABITIBI	•			
24	02	ARGENTEUIL	•	24	03	ARTHABASKA
24	04	BAGOT	•	24	05	BEAUCE
24	06	BEAUHARNOIS	•	24	07	BELLECHASSE
24	08	BERTHIER	•	24	09	BONAVENTURE
24	10	BROME	•	24	11	CHAMBLY
24	12	CHAMPLAIN	•	24	13	CHARLEVOIX-EST
24	14	CHARLEVOIX-OUEST	•	24	15	CHATEAUGUAY
24	16	CHICOUTIMI	•	24	17	COMPTON
24	18	DEUX-MONTAGNES	•	24	19	DORCHESTER
24	20	DRUMMOND	•	24	21	FRONTENAC
24	22	GASPE-EST	•	24	23	GASPE-OUEST
24	24	GATINEAU	•	24	25	HULL
24	26	HUNTINGDON	•	24	27	IBERVILLE
24	28	ILE-DE-MONTREAL ET ILE-JESUS	•	24	29	ILES-DE-LA-MADELEINE
24	30	JOLIETTE	•	24	31	KAMOURASKA
24	32	LABELLE	•	24	33	LAC-ST-JEAN-EST
24	34	LAC-ST-JEAN-OUEST	•	24	35	LAPRAIRIE

RP CD

24 36 L'ASSOMPTION  
 24 38 L'ISLET  
 24 40 MASKINONGE  
 24 42 MATAPEDIA  
 24 44 MISSISSQUOI  
 24 46 MONTMAGNY  
 24 48 MONTMORENCY NO 2  
 24 50 NICOLET  
 24 52 PONTIAC  
 24 54 QUEBEC  
 24 56 RICHMOND  
 24 58 RIVIERE-DU-LOUP  
 24 60 SAGUENAY  
 24 62 ST-JEAN  
 24 64 SHEFFORD  
 24 66 SOULANGES  
 24 68 TEMISCAMINGUE  
 24 70 TERREBONNE  
 24 72 VERCHERES  
 24 74 YAMASKA

RP CD

• 24 37 LEVIS  
 • 24 39 LOTBINIERE  
 • 24 41 MATANE  
 • 24 43 MEGANTIC  
 • 24 45 MONTCALM  
 • 24 47 MONTMORENCY NO 1  
 • 24 49 NAPIERVILLE  
 • 24 51 PAPINEAU  
 • 24 53 PORTNEUF  
 • 24 55 RICHELIEU  
 • 24 57 RIMOUSKI  
 • 24 59 ROUVILLE  
 • 24 61 ST-HYACINTHE  
 • 24 63 ST-MAURICE  
 • 24 65 SHERBROOKE  
 • 24 67 STANSTEAD  
 • 24 69 TEMISCOUATA  
 • 24 71 VAUDREUIL  
 • 24 73 WOLFE  
 •

ONTARIO

RP CD

35 01 ALGOMA  
 35 02 BRANT  
 35 04 COCHRANE  
 35 06 DUNDAS  
 35 08 ELGIN  
 35 10 FRONTENAC  
 35 12 GRENVILLE  
 35 14 HALDIMAND  
 35 16 HALTON  
 35 18 HURON  
 35 20 KENT  
 35 22 LANARK  
 35 24 LENNOX AND ADDINGTON  
 35 26 MIDDLESEX  
 35 28 NIAGARA  
 35 30 NORFOLK  
 35 32 ONTARIO  
 35 34 OXFORD  
 35 36 PEEL  
 35 38 PETERBOROUGH  
 35 40 PRINCE EDWARD  
 35 42 RENFREW  
 35 44 SIMCOE  
 35 46 SUDBURY  
 35 48 TIMISKAMING  
 35 50 VICTORIA  
 35 52 WELLINGTON  
 35 54 YORK

RP CD

• 35 03 BRUCE  
 • 35 05 DUFFERIN  
 • 35 07 DURHAM  
 • 35 09 ESSEX  
 • 35 11 GLENGARRY  
 • 35 13 GREY  
 • 35 15 HALIBURTON  
 • 35 17 HASTINGS  
 • 35 19 KENORA  
 • 35 21 LAMBTON  
 • 35 23 LEEDS  
 • 35 25 MANITOULIN  
 • 35 27 MUSKOKA  
 • 35 29 NIPISSING  
 • 35 31 NORTHUMBERLAND  
 • 35 33 OTTAWA-CARLETON  
 • 35 35 PARRY SOUND  
 • 35 37 PERTH  
 • 35 39 PRESCOTT  
 • 35 41 RAINY RIVER  
 • 35 43 RUSSELL  
 • 35 45 STORMONT  
 • 35 47 THUNDER BAY  
 • 35 49 TORONTO  
 • 35 51 WATERLOO  
 • 35 53 WENTWORTH  
 •

## MANITOBA

RP CD			RP CD	
46 01	DIVISION NO.01	.		
46 02	DIVISION NO.02	.	46 03	DIVISION NO.03
46 04	DIVISION NO.04	.	46 05	DIVISION NO.05
46 06	DIVISION NO.06	.	46 07	DIVISION NO.07
46 08	DIVISION NO.08	.	46 09	DIVISION NO.09
46 10	DIVISION NO.10	.	46 11	DIVISION NO.11
46 12	DIVISION NO.12	.	46 13	DIVISION NO.13
46 14	DIVISION NO.14	.	46 15	DIVISION NO.15
46 16	DIVISION NO.16	.	46 17	DIVISION NO.17
46 18	DIVISION NO.18	.	46 19	DIVISION NO.19
46 20	DIVISION NO.20	.		

## SASKATCHEWAN

RP CD			RP CD	
47 01	DIVISION NO.01	.		
47 02	DIVISION NO.02	.	47 03	DIVISION NO.03
47 04	DIVISION NO.04	.	47 05	DIVISION NO.05
47 06	DIVISION NO.06	.	47 07	DIVISION NO.07
47 08	DIVISION NO.08	.	47 09	DIVISION NO.09
47 10	DIVISION NO.10	.	47 11	DIVISION NO.11
47 12	DIVISION NO.12	.	47 13	DIVISION NO.13
47 14	DIVISION NO.14	.	47 15	DIVISION NO.15
47 16	DIVISION NO.16	.	47 17	DIVISION NO.17
47 18	DIVISION NO.18	.		

## ALBERTA

RP CD			RP CD	
48 01	DIVISION NO.01	.		
48 02	DIVISION NO.02	.	48 03	DIVISION NO.03
48 04	DIVISION NO.04	.	48 05	DIVISION NO.05
48 06	DIVISION NO.06	.	48 07	DIVISION NO.07
48 08	DIVISION NO.08	.	48 09	DIVISION NO.09
48 10	DIVISION NO.10	.	48 11	DIVISION NO.11
48 12	DIVISION NO.12	.	48 13	DIVISION NO.13
48 14	DIVISION NO.14	.	48 15	DIVISION NO.15



BRITISH COLUMBIA

RP CD		RP CD	
59 01	ALBERNI-CLAYOQUOT	59 02	BULKLEY-NECHAKO
59 03	CAPITAL	59 04	CARIBOO
59 05	CENTRAL FRASER VALLEY	59 06	CENTRAL KOOTENAY
59 07	CENTRAL OKANAGAN	59 08	COLUMBIA-SHUSWAP
59 09	COMOX-STRATHCONA	59 10	COWICHAN VALLEY
59 11	DEWDNEY-ALOUETTE	59 12	EAST KOOTENAY
59 13	FRASER-CHEAM	59 14	FRASER-FORT GEORGE
59 15	GREATER VANCOUVER	59 16	KITIMAT-STIKINE
59 17	KOOTENAY BOUNDARY	59 18	MOUNT WADDINGTON
59 19	NANAIMO	59 20	NORTH OKANAGAN
59 21	OCEAN FALLS	59 22	OKANAGAN-SIMILKAMEEN
59 23	PEACE RIVER-LIARD	59 24	POWELL RIVER
59 25	SKEENA A	59 26	SQUAMISH-LILLOOET
59 27	STIKINE	59 28	SUNSHINE COAST
59 29	THOMPSON-NICOLA		

YUKON

RP CD	
60 86	YUKON

NORTHWESTERN TERRITORIES

RP CD		RP CD	
61 87	FRANKLIN	61 88	KEEWATIN
61 89	MACKENZIE		

FIELD	5	MUNICIPALITY
POSITION	10-11	

A MUNICIPALITY IS AN AREA WITH CORPORATE STATUS, GOVERNED BY PROVINCIAL AND TERRITORIAL ACTS. DEPENDING UPON THE PROVINCE IN WHICH THEY ARE LOCATED, MUNICIPALITIES VARY IN NAME, STATUS AND ADMINISTRATIVE POWERS.

THERE ARE MANY DIFFERENT NAMES FOR THE DIFFERENT KINDS OF MUNICIPALITIES AND THERE MAY BE DIFFERENT CRITERIA FOR MUNICIPALITIES OF THE SAME KIND, BUT FOR STATISTICAL PURPOSES ALL HAVE THE SAME STATUS. GENERALLY THEY DO NOT CUT ACROSS COUNTIES, CENSUS DIVISIONS OR PROVINCES. IN RARE CASES WHERE THEY DO, EACH PART IS GIVEN A SEPARATE CODE.

THE CODE FOR THE MUNICIPALITY COMES HIERARCHICALLY AFTER THE CENSUS DIVISION OR COUNTY CODE (2 DIGITS). THUS IDENTIFICATION OF A PARTICULAR UNIT IN THIS GROUP REQUIRES FIRST THE PROVINCE CODE (2 DIGITS) FOLLOWED BY THE CD CODE AND FINALLY, THE TWO DIGIT MUNICIPALITY CODE, I.E. A TOTAL OF SIX DIGITS.

VALID CODES: SEE OFFICIAL LIST.

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. FIELD           6      :
. POSITION 12-13      :      SUBDIVISION
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SUBDIVISION AND SECTION OF A MUNICIPALITY.

VALID CODES IN POSITION 12	13	DESCRIPTION
A	0	CITIES, TOWNS, VILLAGES AND RURAL MUNICIPALITIES.
A	Z	INDIAN RESERVES.
A	X	UNORGANIZED TERRITORIES.
A-W	0	NFLD., N.S., ALTA RURAL AND SPECIAL IMPROVEMENT DISTRICT.
A-W	X	NFLD., N.S., ALTA UNORGANIZED TERRITORIES.
A-H	1-9	RURAL MUNICIPALITIES OF ST. JOHN'S AND HALIFAX.

POSITION 12: REPRESENTS A CENSUS SUBDIVISION, IF ANY, IN A MUNICIPALITY.  
 POSITION 13: REPRESENTS A SECTION IN THE CENSUS SUBDIVISION.

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. FIELD           7      :
. POSITION 14      :      RURAL/URBAN MUNICIPALITY
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CODE	DESCRIPTION
1 : RURAL :	ALL PARTS OF INCORPORATED RURAL MUNICIPALITIES, UNORGANIZED TERRITORIES. INDIAN RESERVES HAVING A POPULATION DENSITY OF LESS THAN 1000 PER SQUARE MILE. INCORPORATED CITIES, TOWNS AND VILLAGES WITH POPULATION LESS THAN 1000. MOST OF THE AREAS DESCRIBED AS 'RURAL' BY THE CENSUS HAVE TYPICAL RURAL CHARACTERISTICS: LOW POPULATION DENSITY, FARMS OR WOODED LAND.
2 : CTV :	CITY, TOWN, VILLAGE. MUNICIPALITY CREATED AND GOVERNED ACCORDING TO A PROVINCIAL MUNICIPAL ACT WHICH DIFFERS FROM PROVINCE TO PROVINCE. MUNICIPALITY COMPLETELY URBAN. CTV ARE CONSIDERED AS URBAN WHEN THE POPULATION IS 1000 OR OVER.
3-4 : URBAN :	MUNICIPALITY WHICH IS NOT A CTV BUT HAS AT LEAST AN URBAN PART, I.E. THE MUNICIPALITY, OR A PORTION THEREOF, COMPOSED OF COMPLETE ENUMERATION AREAS, IS CLASSIFIED AS EITHER RURAL OR URBAN.

FIELD	8	CENSUS METROPOLITAN AREA
POSITION	15-17	AND CENSUS AGGLOMERATION

CENSUS AGGLOMERATION:

STATISTICAL AREA HAVING AN URBAN CENTRE OF OVER 1,000 POPULATION WITH AN ADJACENT BUILT-UP AREA OF AT LEAST 1,000 POPULATION AND A MINIMUM DENSITY OF 1,000 PERSONS PER SQUARE MILE. THE LARGEST URBAN CENTRE AND ITS ADJACENT URBAN PART MUST BE IN TWO DIFFERENT MUNICIPALITIES AND CONSTITUTE A CONTINUOUS BUILT-UP AREA WITH NO SEPARATION GREATER THAN ONE MILE. THE POPULATION OF THE URBANIZED CORE MUST BE AT LEAST 2,000. AREAS WITH AN URBANIZED CORE OF 100,000 OR OVER ARE CENSUS METROPOLITAN AREAS. THE MAIN USE OF CA'S IS TO PROVIDE DATA FOR CLOSELY RELATED URBAN COMMUNITIES SEPARATED FROM EACH OTHER ONLY BY ADMINISTRATIVE LIMITS.

CENSUS AGGLOMERATIONS ARE MADE UP OF COMPLETE MUNICIPALITIES IN ORDER TO ENSURE COMPARABILITY WITH OTHER SOURCES OF INFORMATION. IT IS POSSIBLE, THEREFORE, THAT A CENSUS AGGLOMERATION MAY INCLUDE SOME RURAL POPULATION.

THERE ARE 87 CA'S, DISTRIBUTED AS FOLLOWS:

MARITIMES, 17; QUEBEC, 32; ONTARIO, 22; WESTERN PROVINCES, 16.

VALID CODES:

032-315  
SEE OFFICIAL CODES BELOW

CENSUS METROPOLITAN AREA:

MAIN LABOUR MARKET AREA OF A CONTINUOUS BUILT-UP AREA HAVING 100,000 OR MORE POPULATION. CMA'S ARE CREATED BY STATISTICS CANADA AND ARE USUALLY KNOWN BY THE NAME OF THEIR LARGEST CITY. THEY CONTAIN WHOLE MUNICIPALITIES (OR CENSUS SUBDIVISIONS).

THE MAIN LABOUR MARKET AREA CORRESPONDS TO A COMMUTING FIELD OR A ZONE WHERE A SIGNIFICANT NUMBER OF PEOPLE ARE ABLE TO TRAVEL ON A DAILY BASIS TO WORK PLACES IN THE MAIN BUILT-UP AREA. A CMA COMPRISES: (1) MUNICIPALITIES COMPLETELY OR PARTLY INSIDE THE CONTINUOUS BUILT-UP AREA AND (2) MUNICIPALITIES LYING WITHIN A 20-MILE RADIUS OF THE LIMITS OF THE CONTINUOUS BUILT-UP AREA, IF (A) THE PERCENTAGE OF LABOUR FORCE IN PRIMARY ACTIVITIES IS SMALLER THAN THE NATIONAL AVERAGE, AND (B) THE PERCENTAGE OF POPULATION INCREASE FOR 1956-1966 IS LARGER THAN THE AVERAGE FOR THE 1966 CMA. WHEN ONLY (A) OR (B) IS MET, MUNICIPALITIES ARE INCLUDED IF THEY ARE ACCESSED BY A PROVINCIAL OR FEDERAL HIGHWAY.

THERE ARE 22 CMA'S EACH HAVING AN URBANIZED CORE, LARGEST CITY, REMAINDER AND FRINGE, URBAN AND RURAL PARTS.

VALID CODES:

001-026  
SEE OFFICIAL CODES BELOW

.....  
 . CENSUS METROPOLITAN AREA AND CENSUS AGGLOMERATION LIST .  
 .....

POPULATION		POPULATION	
100,000 AND MORE		100,000 AND MORE	
001	CALGARY ALTA	002	CHICOUTIMI-JONQUIERE QUE
003	EDMONTON ALTA	004	HALIFAX NS
005	HAMILTON ONT	006	KITCHENER ONT
007	LONDON ONT	008	MONTREAL QUE
010	OTTAWA-HULL	011	QUEBEC QUE
012	REGINA SASK	013	ST. CATHARINES ONT
014	ST. JOHN'S NFLD	015	SAINT JOHN NB
016	SASKATOON SASK	019	SUDBURY ONT
020	THUNDER BAY ONT	021	TORONTO ONT
023	VANCOUVER BC	024	VICTORIA BC
025	WINDSOR ONT	026	WINNIPEG MAN
50,000-99,999		50,000-99,999	
032	BRANTFORD ONT	037	GUELPH ONT
038	KINGSTON ONT	040	MONCTON NB
041	OSHAWA ONT	042	PETERBOROUGH ONT
043	SARNIA ONT	044	SAULT STE. MARIE ONT
045	SHAWINIGAN QUE	046	SHERBROOKE QUE
047	SYDNEY NS	048	TROIS-RIVIERES QUE
25,000-49,999		25,000-49,999	
051	BAIE-COMEAU QUE	052	BARRIE ONT
053	CHARLOTTETOWN PEI	054	CHILLIWACK BC
055	DRUMMONDVILLE QUE	057	FREDERICTON NB
058	GRANBY QUE	061	JOLIETTE QUE
062	KAMLOOPS BC	063	KELOWNA BC
065	MEDICINE HAT ALTA	067	NANAIMO BC
069	PORT ALBERNI BC	071	PRINCE GEORGE BC
072	RIMOUSKI QUE	073	ROUYN QUE
074	ST-HYACINTHE QUE	075	ST-JEAN QUE
076	ST-JEROME QUE	077	SDREL QUE
078	SYDNEY MINES NS	079	THETFORD MINES QUE
080	TIMMINS ONT	081	TRENTON ONT
083	VALLEYFIELD QUE	084	VICTORIAVILLE QUE

POPULATION

POPULATION

10,000-24,999

10,000-24,999

102	ARNPRIOR ONT	•
105	CAMPBELLTON NB	•
110	COURTENAY BC	•
115	FLIN FLON MAN	•
118	HAILEYBURY ONT	•
123	KENORA ONT	•
125	LABRADOR CITY NFLD	•
129	MAGOG QUE	•
132	NEWCASTLE NB	•
134	NEW HAMBURG ONT	•
137	PEMBROKE ONT	•
141	PRINCE RUPERT BC	•
148	SMITHS FALLS ONT	•
152	TERRACE BC	•
155	TRURO NS	•
160	WILLIAMS LAKE BC	•

103	ASBESTOS QUE	•
108	COBBOURG ONT	•
112	DOLBEAU QUE	•
116	GRAND FALLS NFLD	•
119	HAWKESBURY ONT	•
124	KENTVILLE NS	•
126	LACHUTE QUE	•
130	MIDLAND ONT	•
133	NEW GLASGOW NS	•
135	NDRTH BATTLEFORD SASK	•
139	PETAWAWA ONT	•
145	ST-GEORGES QUE	•
150	SUMMERSIDE PEI	•
154	TRAIL BC	•
157	VAL-D'OR QUE	•

5,000-9,999

5,000-9,999

204	BEAUPRE QUE	•
206	BLAIRMORE ALTA	•
209	CASTLEGAR BC	•
215	FERGUS ONT	•
223	LA MALBAIE QUE	•
236	ST. STEPHEN NB	•

208	CARBONEAR NFLD	•
213	DONNACONA QUE	•
220	HAPPY VALLEY NFLD	•
232	PORT ELGIN ONT	•

2,000-4,999

2,000-4,999

302	BEAUCEVILLE QUE	•
304	DUNVILLE NFLD	•
306	FORESTVILLE QUE	•
312	PIERREVILLE QUE	•
315	ROCK ISLAND QUE	•

305	EAST BROUGHTON STATION QUE	•
309	HEBERTVILLE-STATION QUE	•
314	PORTNEUF QUE	•

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.....
• FIELD          9      :
• POSITION      18-20  :
•              :
•              :
.....
                CENSUS TRACT
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ALMOST ALL OF THE CENSUS METROPOLITAN AREAS (CMA) AND CENSUS AGGLOMERATIONS (CA) OF 50,000 POPULATION OR MORE IN 1966 WERE SUBDIVIDED INTO CENSUS TRACTS IN 1971. CENSUS TRACTS ARE SMALL PERMANENT STATISTICAL AREAS DELINEATED BY STATISTICS CANADA ACCORDING TO THE FOLLOWING CRITERIA:

- A POPULATION BETWEEN 2,500 AND 8,000 EXCEPT FOR TRACTS IN THE CENTRAL BUSINESS DISTRICT OR INSTITUTIONAL TRACTS WHICH MAY HAVE A LOWER POPULATION.
- AN AREA THAT IS AS HOMOGENEOUS AS POSSIBLE IN TERMS OF ECONOMIC STATUS AND SOCIAL LIVING CONDITIONS.
- BOUNDARIES THAT FOLLOW PERMANENT AND EASILY RECOGNIZED LINES ON THE GROUND.
- AS MUCH AS POSSIBLE, A COMPACT SHAPE.

THE BOUNDARIES ARE TO BE CHANGED AS LITTLE AS POSSIBLE ALTHOUGH SOME MODIFICATIONS HAVE TAKEN PLACE AND THE NUMBERING SYSTEM WAS COMPLETELY REVISED IN 1971. CONVERSION TABLES FOR THIS NEW NUMBERING SYSTEM ARE PUBLISHED IN THE CENSUS TRACT BULLETINS.

EACH CENSUS TRACT IS DEFINED BY A THREE DIGIT CMA/CA CODE AND A THREE DIGIT CT CODE. APPROXIMATELY 60 PERCENT OF CANADA'S POPULATION IS INCLUDED IN THE CENSUS TRACTS.

VALID CODES: SEE OFFICIAL LIST.

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.....
. FIELD          10      :
. POSITION        21      :                CMA/CA PART
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THIS TERM IS USED FOR ALL CENSUS METROPOLITAN AREAS AND CENSUS AGGLOMERATIONS. THE PARTS ARE ALWAYS MADE UP OF COMPLETE ENUMERATION AREAS BUT OFTEN COMPRISE ONLY PARTS OF MUNICIPALITIES. THIS SITUATION MAY CREATE PROBLEMS IN THE DETERMINATION OF BOUNDARIES.

BLANK	AREA NOT PART OF A CMA/CA
1	AREA IS PART OF THE LARGEST CITY IN THE URBANIZED CORE
2	AREA IS PART OF THE REMAINDER OF URBANIZED CORE
3	AREA IS PART OF THE URBAN FRINGE
4	AREA IS PART OF THE RURAL FRINGE

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.....
. FIELD          11      :
. POSITION        22      :                MUNICIPALITY SIZE CODE
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CLASSIFICATION CALCULATED BY COMPUTER AND BASED ON THE TOTAL POPULATION IN A MUNICIPALITY. IT IS USED IN THE PREPARATION OF TABLES LIMITED TO MUNICIPALITIES OF A CERTAIN SIZE. IT DISTINGUISHES BETWEEN THE URBAN CATEGORY AND THE RURAL CATEGORY. IF ALL THE MUNICIPALITY PARTS ARE URBAN, THE MUNICIPALITY IS GIVEN AN URBAN SIZE CODE. HOWEVER, IF ONE OF THE PARTS IS RURAL, THE MUNICIPALITY IS ASSIGNED A RURAL CODE. THE UNORGANIZED PARTS WITHIN A COUNTY OR CENSUS DIVISION AND THE INDIAN RESERVES WITHIN THE SAME AREAS ARE GROUPED TOGETHER AND GIVEN THE RURAL SIZE CODE '8' (LESS THAN 1000) REGARDLESS OF THEIR ACTUAL POPULATION.

TOTAL POPULATION OF THE MUNICIPALITY	URBAN AREA	RURAL AREA
500,000 AND UP	A	1
100,000 TO 499,999	B	2
30,000 TO 99,999	C	3
10,000 TO 29,999	D	4
5,000 TO 9,999	E	5
2,500 TO 4,999	F	6
1,000 TO 2,499	G	7
LESS THAN 1,000	H	8

NOTE: THE CALCULATIONS MADE USING THIS VARIABLE WILL NOT GIVE DATA COMPARABLE TO THE PUBLISHED DATA AT THE RURAL OR URBAN LEVEL.

FIELD	12	
POSITION	23	RURAL/URBAN SIZE CODE

RURAL

- .ALL PARTS OF INCORPORATED RURAL MUNICIPALITIES, UNORGANIZED TERRITORIES AND INDIAN RESERVES HAVING A POPULATION DENSITY OF LESS THAN 1000 PER SQUARE MILE.
- .INCORPORATED CITIES, TOWNS AND VILLAGES WITH POPULATION LESS THAN 1000.
- .MOST OF THE AREAS DESCRIBED AS 'RURAL' BY THE CENSUS HAVE TYPICAL RURAL CHARACTERISTICS: LOW POPULATION DENSITY, FARMS OR WOODED LAND.
- .IT MAY HAPPEN, HOWEVER, THAT SOME AREAS WITH RURAL CHARACTERISTICS ARE CLASSED AS URBAN BECAUSE OF THEIR LEGAL STATUS AND THEIR POPULATION TOTAL.

URBAN

- I. INCORPORATED MUNICIPALITIES WITH A POPULATION OF 1000 OR OVER AND HAVING THE LEGAL STATUS OF CITY, TOWN OR VILLAGE.
- II. UNINCORPORATED PLACES OF 1000 OR OVER, HAVING A POPULATION DENSITY OF AT LEAST 1000 PER SQUARE MILE.
- III. THE URBANIZED FRINGE OF (I) OR (II), IF IT HAS A MINIMUM POPULATION OF 1000 AND A DENSITY OF AT LEAST 1000 PER SQUARE MILE.
- IV. AN URBAN AREA IN CATEGORY (II) OR (III) HAS URBAN CHARACTERISTICS I.E. HIGH POPULATION DENSITY, CONTIGUITY OF SETTLEMENTS, AND, IF ANY, VERY FEW FARMS.
- V. AREAS IN CATEGORY (I), HOWEVER, MAY HAVE MUCH OF THEIR SPACE OCCUPIED BY FARMS.

POPULATION	URBAN AREA	RURAL AREA
500,000 AND UP	A	1
100,000 TO 499,999	B	1
30,000 TO 99,999	C	1
10,000 TO 29,999	D	1
5,000 TO 9,999	E	1
2,500 TO 4,999	F	1
1,000 TO 2,499	G	1
LESS THAN 1,000	-	1

NOTE: THE CALCULATIONS MADE USING THIS VARIABLE WILL GIVE DATA COMPARABLE TO THE PUBLISHED DATA AT THE RURAL OR URBAN LEVEL.

FIELD	13	REFERENCE CODE
POSITION	24-25	

THIS CODE IS USED TO IDENTIFY THE RURAL MUNICIPALITY IN WHICH A CITY, TOWN, VILLAGE OR INDIAN RESERVE IS LOCATED. IT CONSISTS OF TWO DIGITS AND MAKES IT POSSIBLE TO IDENTIFY ALL THE MUNICIPALITIES LOCATED WITHIN A RURAL MUNICIPALITY. CERTAIN LARGE URBAN AREAS ACCOUNTING FOR APPROXIMATELY TWENTY PERCENT OF THE POPULATION DO NOT HAVE REFERENCE CODES.

VALID CODES: SEE OFFICIAL LIST.

FIELD	14	ECONOMIC REGION OF STATISTICS CANADA
POSITION	26-27	

THE ECONOMIC REGIONS OF STATISTICS CANADA ARE RECENTLY CREATED INTRAPROVINCIAL AREAS ESTABLISHED FOR STATISTICAL PURPOSES. UNLIKE METROPOLITAN AREAS AND AGGLOMERATIONS, THEY COVER THE WHOLE COUNTRY AND WERE DELINEATED IN CO-OPERATION WITH PROVINCIAL AUTHORITIES.

THESE AREAS WERE CREATED IN ORDER TO OFFER A WIDE VARIETY OF SUBPROVINCIAL DATA FOR A SYSTEM OF COMPARABLE UNITS. TWO CONCEPTS WERE USED AS A BASIS FOR DELINEATION: HOMOGENEITY AND FUNCTION.

IN ORDER TO FACILITATE THE COMPARABILITY OF DATA FROM VARIOUS SOURCES, WHOLE COUNTIES (OR DIVISIONS) ARE GENERALLY INCLUDED AND, TO MAKE COMPARISONS POSSIBLE FROM ONE YEAR TO ANOTHER, IT HAS BEEN AGREED THAT THEIR BOUNDARIES REMAIN CONSTANT FROM ONE CENSUS TO THE NEXT.

THE ECONOMIC REGION CODE CONSISTS OF TWO DIGITS, IDENTIFYING EACH REGION WITHIN A PROVINCE. IDENTIFICATION OF A REGION REQUIRES FIRST THE PROVINCE CODE FOLLOWED BY THE ECONOMIC REGION CODE.

VALID CODES: SEE OFFICIAL LIST.



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. FIELD          15      .
. POSITION 28-29      .      CANADA MANPOWER CENTRE AREA CODE
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CANADA MANPOWER CENTRE AREAS ARE DELINEATED BY THE DEPARTMENT OF MANPOWER AND IMMIGRATION.

THIS CODE IS UTILISED BY CANADA MANPOWER FOR ADMINISTRATIVE PURPOSES. BECAUSE OF ITS RAPIDLY CHANGING NATURE, THE CODE IS OBSOLETE IN THIS FILE AND ITS USE IS NOT RECOMMENDED.

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. FIELD          16      .
. POSITION 30-33      .      CITY, TOWN, VILLAGE
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A FOUR DIGIT NUMERIC CODE ASSIGNED ONLY TO CITIES, TOWNS AND VILLAGES SORTED IN ALPHABETICAL ORDER BY NAME. THE MAIN PURPOSE OF THIS CODE WAS THE PRODUCTION OF PUBLICATIONS.

A CITY, TOWN OR VILLAGE IS A MUNICIPALITY CREATED AND GOVERNED ACCORDING TO A PROVINCIAL MUNICIPAL ACT WHICH DIFFERS FROM PROVINCE TO PROVINCE. CITIES, TOWNS AND VILLAGES WITH A POPULATION OF 1,000 AND OVER ARE CONSIDERED AS URBAN FOR CENSUS PURPOSES.

CITIES AND TOWNS EXIST IN ALL PROVINCES. VILLAGES EXIST IN ALL PROVINCES, EXCEPT NEWFOUNDLAND, NOVA SCOTIA AND YUKON. THERE ARE 180 CITIES, 771 TOWNS AND 1,171 VILLAGES IN CANADA.

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. FIELD          17      .
. POSITION 34-36      .      CMA/CA
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CASPER CODE EQUAL TO THE CENSUS METROPOLITAN AREA/CENSUS AGGLOMERATION CODE (FIELD 8, POSITION 15 - 17)

BLANK	NOT PART OF A CMA/CA	
001 - 030	METROPOLITAN AREAS WITH CENSUS TRACTS	
031 - 049	CENSUS AGGLOMERATIONS WITH CENSUS TRACTS	
050 - 099	CENSUS AGGLOMERATIONS WITH POPULATION	25,000 - 49,999
100 - 199	CENSUS AGGLOMERATIONS WITH POPULATION	10,000 - 24,999
200 - 299	CENSUS AGGLOMERATIONS WITH POPULATION	5,000 - 9,999
300 - 399	CENSUS AGGLOMERATIONS WITH POPULATION	1,000 - 4,999

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.....
: FIELD          18   :
: POSITION        37   :              CASPER CONTROL FIELD
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```

ALWAYS 1. THIS CODE IS USED ONLY BY CASPER SOFTWARE PACKAGE.

```

.....
: FIELD          19   :
: POSITION        38   :              MUNICIPAL SUBDIVISION
:
.....

```

CASPER CODE DERIVED FROM THE MUNICIPALITY SIZE CODE (FIELD 11, POSITION 22) BASED ON THE RURAL CATEGORY AND THE URBAN CATEGORY WITH NO DISTINCTION ON THE POPULATION.

0 : CITY, TOWN, VILLAGE OR URBAN MUNICIPALITY (POSITION 22 = A TO H)  
 1 : RURAL (POSITION 22 = 1 TO 8)

```

.....
: FIELD          21   :
: POSITION        42   :              ECONOMIC AREA
:
.....

```

CASPER CODE DERIVED FROM THE ECONOMIC REGION CODE OF STATISTICS CANADA (FIELD 14, POSITION 26 - 27)

1 : URBAN 2 : RURAL

```

.....
: FIELD          22   :
: POSITION        43   :              MUNICIPALITY SUBDIVISION SIZE
:
.....

```

CASPER CODE DERIVED FROM THE MUNICIPALITY SIZE CODE (FIELD 11, POSITION 22) AND BASED ONLY ON THE TOTAL POPULATION IN A MUNICIPALITY WITH NO DISTINCTION BETWEEN THE URBAN CATEGORY AND THE RURAL CATEGORY.

POPULATION	MUNICIPALITY SUBDIVISION SIZE CODE	MUNICIPALITY SIZE CODE WAS:	
		CTV OR URBAN	RURAL
500,000 AND UP	1	A	1
100,000 TO 499,999	2	B	2
30,000 TO 99,999	3	C	3
10,000 TO 29,999	4	D	4
5,000 TO 9,999	5	E	5
2,500 TO 4,999	6	F	6
1,000 TO 2,499	7	G	7
LESS THAN 1,000	8	H	8

```

.....
. FIELD      23      .
. POSITION    44      .          RURAL/URBAN CODE
.
.....
    
```

CODE DERIVED FROM THE RURAL/URBAN SIZE CODE (FIELD 12, POSITION 23) BASED ONLY ON THE RURAL CATEGORY AND THE URBAN CATEGORY WITH NO DISTINCTION ON THE TOTAL POPULATION.

0 : URBAN                      1 : RURAL

```

.....
. FIELD      24      .
. POSITION    45      .          RURAL/URBAN MINICIPALITY CODE
.
.....
    
```

CASPER CODE GATHERED FROM THE RURAL/URBAN MUNICIPALITY CODE (FIELD 7, POSITION 14) WITH NO DISTINCTION BETWEEN CITY, TOWN, VILLAGE OR URBAN PART.

0 : URBAN                      1 : RURAL

```

.....
. FIELD      25      .
. POSITION    46      .          CMA/CA CODE (FROM MA/CA)
.
.....
    
```

CASPER CODE DERIVED FROM THE METROPOLITAN AREA/CENSUS AGGLOMERATION CODE (FIELD 8, POSITION 15 - 17)

0 : AREA IS PART OF A CMA/CA            ( POSITION 15-17 : NUMERIC )  
 1 : AREA IS NOT PART OF A CMA/CA    ( POSITION 15-17 : BLANK )

```

.....
. FIELD      26      .
. POSITION    47      .          CMA/CA CODE (FROM CMA/CA PART)
.
.....
    
```

CASPER CODE DERIVED FROM THE METROPOLITAN AREA/CENSUS AGGLOMERATION CODE (FIELD 10, POSITION 21)

0 : URBAN CORE                            ( POSITION 21 EQUALS 1 OR 2 )  
 1 : FRINGE AREA                        ( POSITION 21 EQUALS 3 OR 4 )  
 BLANK : AREA NOT PART OF A CMA/CA    ( POSITION 21 EQUALS BLANK )

FIELD	27	
POSITION	48	LARGEST CITY CODE

CASPER CODE DERIVED FROM THE METROPOLITAN AREA/CENSUS AGGLOMERATION CODE  
(FIELD 10, POSITION 21)

- 0 : AREA IS PART OF THE LARGEST CITY IN THE URBANIZED CORE (POSITION 21=1)
- 1 : AREA IS PART OF THE REMAINDER OF URBANIZED CORE (POSITION 21=2)
- BLANK : AREA IS PART OF THE RURAL OR URBAN FRINGE, OR IS NOT PART OF A CMA/CA  
(POSITION 21=3,4 OR BLANK)

## SECTION

D

## EXPLANATORY NOTES

## RANDOM ROUNDING

THE STATISTICS ACT STATES THAT NO EMPLOYEE OF STATISTICS CANADA "... SHALL DISCLOSE OR KNOWINGLY CAUSE TO BE DISCLOSED BY ANY MEANS, ANY INFORMATION OBTAINED UNDER THIS ACT IN SUCH A MANNER THAT IT IS POSSIBLE FROM SUCH DISCLOSURE TO RELATE THE PARTICULARS OBTAINED TO ANY INDIVIDUAL PERSON, BUSINESS OR ORGANIZATION" (SECTION 16(1)(B), STATISTICS ACT 1970). THE DEVELOPMENT OF NEW DATA STORAGE SYSTEMS AND FLEXIBLE, GENERALIZED RETRIEVAL SOFTWARE, AND THE SIZE OF THE 1971 CENSUS TABULATION AND PUBLICATION PROGRAM HAVE MADE IT DIFFICULT TO USE MANUAL METHODS TO ENSURE COMPLIANCE WITH THE STATISTICS ACT. THUS, A TECHNIQUE KNOWN AS 'RANDOM ROUNDING' IS APPLIED AT THE FINAL STAGE OF TABULATIONS FOR ALL 1971 CENSUS TABULATIONS (INCLUDING USER SUMMARY TAPES). THE RANDOM ROUNDING IS ON A BASE 5 SO ALL FIGURES APPEARING IN TABULATIONS OR PUBLICATIONS WILL BE MULTIPLES OF 5, I.E., THE UNIT DIGIT IS EITHER '0' OR '5'.

ALTHOUGH THE TABLES SUBJECTED TO RANDOM ROUNDING APPEAR SIMILAR TO TABLES WHOSE ENTRIES HAVE BEEN CONVENTIONALLY ROUNDED, THE PROCESS IS DIFFERENT. IN RANDOM ROUNDING, THE DECISION AS TO WHETHER THE LAST DIGIT IN A NUMBER WILL BE ROUNDED UP OR DOWN (TO A ZERO OR A FIVE) IS DETERMINED BY CHANCE RATHER THAN BY RULES BASED ON THE VALUE OF THE NUMBER. THIS ASPECT OF THE PROCESS INTRODUCES SUFFICIENT UNCERTAINTY INTO THE LAST DIGIT OF THE NUMBER TO PROVIDE THE NECESSARY PROTECTION AGAINST DIRECT AND RESIDUAL DISCLOSURE. IT IS THEREFORE IMPOSSIBLE TO ATTRIBUTE INFORMATION TO AN IDENTIFIABLE INDIVIDUAL DIRECTLY BY MANIPULATION OF SEVERAL TABLES. THE COUNT FOR ALL DATA CELLS (INCLUDING TOTALS) IS COMPUTED PRIOR TO ROUNDING AND CONSEQUENTLY THE TOTALS (INDEPENDENTLY ROUNDED) MAY NOT EXACTLY AGREE WITH THE SUM OF ROUNDED ELEMENTS WHICH ARE INCLUDED IN THE TOTALS. THE RANDOM FEATURE PREVENTS THE DERIVATION OF THE ORIGINAL FIGURES BY COMPARING TABLE CELLS WITH THE INDEPENDENT ROUNDED TOTALS AND ALSO MAKES THE SUM OF ROUNDED NUMBERS AN UNBIASED ESTIMATE OF THE SUM OF THE ORIGINAL NUMBERS.

THE PROBABILITY OF ROUNDING UP OR DOWN IS DETERMINED BY THE REMAINDER (R) OBTAINED WHEN THE NUMBER IS DIVIDED BY FIVE (5). THE PROBABILITY OF ROUNDING UP TO THE NEXT HIGHER MULTIPLE OF 5 IS  $R/5$  AND THE PROBABILITY OF ROUNDING DOWN IS  $1 - R/5$ . THE FOLLOWING PROBABILITIES APPLY WITH A BASE 5 ROUNDING:

LAST DIGIT OF TRUE COUNT	PROBABILITY OF ROUNDING	
	UP	DOWN
0 OR 5	0	0
1 OR 6	.2	.8
2 OR 7	.4	.6
3 OR 8	.6	.4
4 OR 9	.8	.2

THIS PROCESS ENSURES THAT NO INDIVIDUAL DATA CELL DIFFERS FROM THE TRUE ORIGINAL COUNT BY MORE THAN 4. FOR EXAMPLE, A COMPUTED COUNT OF 486 WILL APPEAR IN A TABLE AS 485 WITH A PROBABILITY OF .8 AND AS 490 WITH A PROBABILITY OF .2.

OF CONCERN TO SOME USERS IS THAT SMALL CELL COUNTS MAY SUFFER A SIGNIFICANT DISTORTION AS A RESULT OF RANDOM ROUNDING AND THAT THIS WILL BE MAGNIFIED WHEN THESE SAME DATA CELLS ARE AGGREGATED. THIS DISTORTION IS THE PROTECTION AGAINST DISCLOSURE AND ALTHOUGH INDIVIDUAL DATA CELLS CONTAINING THESE SMALL NUMBERS MAY LOSE THEIR PRECISION, THEY DO NOT LOSE THEIR STATISTICAL VALUE AND AGGREGATIONS CAN BE USED WITH CONFIDENCE.

SINCE MANY APPLICATIONS OF CENSUS DATA INVOLVE USING SMALL BUILDING-BLOCKS (E.G. ENUMERATION AREAS OR CENSUS TRACTS) TO CREATE LARGER USER DEFINED AREAS, IT IS NECESSARY TO RE-AGGREGATE DATA WHICH HAVE BEEN ROUNDED. RE-AGGREGATION CAN BE IN TWO FORMS: THE FIRST, PREVIOUSLY MENTIONED, INVOLVES AGGREGATING SMALL GEOGRAPHICAL AREAS INTO LARGER AREAS; THE SECOND, AGGREGATING OR GROUPING RESPONSES TO A PARTICULAR QUESTION WITHIN A GEOGRAPHICAL AREA. FOR EXAMPLE, FOR ANY GEOGRAPHICAL AREA, THE POPULATION FROM AGE 6 TO 16, INCLUSIVE, CAN BE AGGREGATED FROM SINGLE YEARS OF AGE COUNTS.

SINCE PROBABILITY IS INVOLVED IN ROUNDING, THE POTENTIAL ERROR ARISING FROM SUMMING A SERIES OF ROUNDED NUMBERS CAN BE EXPRESSED IN TERMS OF PROBABILITY. THE EXPECTED VALUE OF THE ERROR, AND THE VARIANCE CAN BE PRECISELY STATED IN TERMS OF THE NUMBER OF DATA CELLS THAT WERE ADDED AND SUBTRACTED TO PRODUCE A TOTAL. IT IS IMPORTANT TO NOTE THAT THE SAME RELATIONSHIP APPLIES TO BOTH SUBTRACTION AND ADDITION.

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.....  
WEIGHTING  
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.....

INFORMATION DERIVED FROM THE LONG FORM (2B) WAS COLLECTED ON A 33 1/3% SAMPLE BASIS. THEREFORE, THE WEIGHTED POPULATION FOR A GIVEN GEOGRAPHICAL AREA MAY DIFFER FROM THAT SHOWN FOR DATA COLLECTED ON A 100% BASIS. THESE DISCREPANCIES DO NOT INDICATE ANY ERRORS IN THE PROCESSING AND PRODUCTION OF SAMPLE DATA, BUT REFLECT THE VARIABILITY ASSOCIATED WITH A SAMPLE AND ARE THE RESULT OF PROCEDURES USED TO WEIGHT THE SAMPLE TO OBTAIN ESTIMATES FROM THE TOTAL POPULATION. IN ALL INSTANCES THE TOTAL POPULATION (BUT NOT NECESSARILY THE INHERENT DISTRIBUTION) FOR CANADA, THE PROVINCES AND CENSUS DIVISIONS, FOR SAMPLE AND 100% DATA WILL COINCIDE, SINCE THE WEIGHTING FACTORS USED RESPECTED CENSUS DIVISION BOUNDARIES. MINOR DIFFERENCES MAY OCCUR FOR VARIABLES USED AS CONTROLS IN THE WEIGHTING PROCESS, WITH SOMEWHAT GREATER DIFFERENCES FOR VARIABLES NOT USED AS CONTROLS.

WHEN DATA ARE COLLECTED ON A SAMPLE BASIS, IT IS NECESSARY TO ENSURE THAT STATISTICAL COMPENSATION IS MADE FOR ANY IRREGULARITIES WHICH MAY OCCUR IN THE COLLECTION PHASE. THE WEIGHTING SYSTEM USED IN THE 1971 CENSUS IS KNOWN AS THE RAKING RATIO ESTIMATION PROCEDURE (RREP) AND IS AN ITERATIVE PROCEDURE DESIGNED TO ENSURE THAT SAMPLE ESTIMATES FOR CERTAIN BASIC SUB-GROUPS AGREE WITH THE CORRESPONDING POPULATION TOTALS. RATIO ESTIMATION IS A TECHNIQUE WHICH USES KNOWLEDGE OF SUPPLEMENTARY INFORMATION ABOUT THE POPULATION BEING SAMPLED IN ORDER TO IMPROVE THE RELIABILITY OF ESTIMATES MADE FROM THE SAMPLE. IN THE CASE OF THE CENSUS, THERE IS CONSIDERABLE SUPPLEMENTARY INFORMATION ABOUT THE TOTAL POPULATION FROM THE COMPLETE COUNT DATA. THE RREP TAKES MAXIMUM ADVANTAGE OF THIS SUPPLEMENTARY INFORMATION.

TO TAKE AN OVER-SIMPLIFIED EXAMPLE, SUPPOSE ONE WISHES TO ESTIMATE THE NUMBER OF MALES AGED 35-44 WITH AN INCOME IN EXCESS OF \$20,000. THE SIMPLEST WAY TO ESTIMATE THIS NUMBER WOULD BE TO COUNT HOW MANY SUCH PERSONS THERE WERE IN THE SAMPLE AND MULTIPLY BY 3 TO ALLOW FOR THE ONE IN THREE SAMPLE. HOWEVER, ONE CAN DO BETTER THAN THIS BY UTILISING THE KNOWN POPULATION TOTAL OF MALES AGED 35-44 OBTAINED FROM THE SHORT FORM DATA. A BETTER ESTIMATE WOULD BE

NUMBER OF MALES IN THE SAMPLE AGED 35-44 WITH INCOME \$20,000		NUMBER OF MALES IN THE POPULATION AGED 35-44
-----	X	
NUMBER OF MALES IN THE SAMPLE, AGED 35-44		

IT CAN BE SHOWN THAT THIS ESTIMATOR IS MORE RELIABLE THAN THE SIMPLE ONE. THE SECOND ESTIMATOR ALLOWS FOR THE FACT THAT THE NUMBER OF MALES AGED 35-44 IN THE SAMPLE WILL NOT BE EXACTLY ONE THIRD OF THE NUMBER OF MALES AGED 35-44 IN THE POPULATION. THE RREP ENSURES THAT SAMPLE ESTIMATES AND THE POPULATION COUNTS AGREE ALMOST EXACTLY PRIOR TO THEIR TABULATION.

SECTION	TECHNICAL DESCRIPTION		
E			

CHARACTERISTICS:	9 TRACK 1600 B.P.I.	9 TRACK 800 B.P.I.	7 TRACK
LABELS:	IBM STANDARD OR UNLABELLED	IBM STANDARD OR UNLABELLED	IBM STANDARD OR UNLABELLED
DENSITY:	1600 B.P.I.	800 B.P.I.	556/800 B.P.I.
TRACK UTILISATION:	8 DATA 1 PARITY	8 DATA 1 PARITY	6 DATA 1 PARITY
RECORDING LANGUAGE:	EBCDIC	EBCDIC	BCD
DECIMAL REPRESENTATION:	ZONED DECIMAL PACKED DECIMAL	ZONED DECIMAL PACKED DECIMAL	ZONED DECIMAL PACKED DECIMAL
SIGN REPRESENTATION:	SIGNED NUMERIC WITH SIGN ON THE RIGHT SIDE. (USED WITH ALL COBOL, ASSEMBLER, PL1 BASED PROGRAMS). ONLY THE NEGATIVE VALUES ARE SIGNED.		
INTERBLOCK GAP:	0.6 INCHES	0.6 INCHES	0.75 INCHES
LENGTH:	2400 FEET	2400 FEET	2400 FEET

## TERMINOLOGY:

B.P.I. : BYTES PER INCH (1 BYTE = 8 BITS)  
EBCDIC : EXTENDED BINARY-CODED-DECIMAL INTERCHANGE CODE  
BCD : BINARY-CODED-DECIMAL



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.. SECTION ..
.. F ..
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SUPPLEMENTARY INFORMATION

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FOR MORE INFORMATION, PLEASE CONSULT THE FOLLOWING PUBLICATIONS:

BRACKSTONE, G.J., THE 1971 CENSUS WEIGHTING PROCEDURES,  
STATISTICS CANADA, DECEMBER 1971.

MURPHY, DR. E., THE RANDOM ROUNDING TECHNIQUE FOR GUARDING AGAINST ILLEGAL  
DISCLOSURE IN PUBLISHED CENSUS TABLES, STATISTICS CANADA, MAY 29TH, 1972.

PHILLIPS, J.L., CONFIDENTIALITY PROCEDURES IN STATPAK VERSION 3, STATISTICS  
CANADA, APRIL 1972.

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STATISTICS CANADA, DECEMBER 1972.

STINSON, J.G., EFFECTS OF RANDOM ROUNDING ON USER AGGREGATED DATA,  
STATISTICS CANADA, FEBRUARY 1973.

THE CENSUS GEOGRAPHIC CODE: HIERARCHY AND DOCUMENTATION,  
PH-GEOG-2, STATISTICS CANADA.

DICTIONARY OF THE 1971 CENSUS TERMS, CATALOGUE 12-540, STATISTICS CANADA.

POPULATION AND HOUSING RESEARCH MEMORANDUM NO. PH-METH-2, STATISTICS CANADA.

OFFICIAL LISTS, 1971 CENSUS:

SERIES 1, PART 1A: ATLANTIC PROVINCES  
 SERIES 1, PART 1B: QUEBEC  
 SERIES 1, PART 1C: ONTARIO  
 SERIES 1, PART 1D: WESTERN PROVINCES  
 SERIES 1, PART 2 : CENSUS TRACTS, METROPOLITAN AREAS  
 SERIES 1, PART 3 : CENSUS AGGLOMERATIONS  
 SERIES 1, PART 4A: AREA AGGREGATES (ATLANTIC PROVINCES)  
 SERIES 1, PART 4B: AREA AGGREGATES (QUEBEC)  
 SERIES 1, PART 4C: AREA AGGREGATES (ONTARIO)  
 SERIES 1, PART 4D: AREA AGGREGATES (WESTERN PROVINCES)

FOR FURTHER DETAILS, CONTACT:

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*****
*
* CENSUS USER INQUIRY SERVICE *
* USER SUMMARY TAPES *
* STATISTICS CANADA *
* OTTAWA, ONTARIO, CANADA *
* K1A 0T6 *
* *
* 613-996-5254 *
* *
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SECTION

G

RECORD DESCRIPTION

FIELD	FIELD NAME	SIZE	POSITION	DESCRIPTION
1		2	1 - 2	PROVINCE
2		2	3 - 4	ELECTORAL DISTRICT
3		3	5 - 7	ENUMERATION AREA
4		2	8 - 9	COUNTY/CENSUS DIVISION
5		2	10 - 11	MUNICIPALITY
6		2	12 - 13	SUBDIVISION
7		1	14	RURAL/URBAN MUNICIPALITY
8		3	15 - 17	CENSUS METROPOLITAN AREA AND CENSUS AGGLOMERATION
9		3	18 - 20	CENSUS TRACT
10		1	21	CMA/CA PART
11		1	22	MUNICIPALITY SIZE CODE
12		1	23	RURAL/URBAN SIZE CODE

FIELD	FIELD NAME	SIZE	POSITION	DESCRIPTION
13		2	24 - 25	REFERENCE CODE
14		2	26 - 27	ECONOMIC REGION OF STATISTICS CANADA
15		2	28 - 29	CANADA MANPOWER CENTRE AREA CODE
16		4	30 - 33	CITY, TOWN OR VILLAGE
17		3	34 - 36	CMA/CA
18		1	37	CASPER CONTROL FIELD
19		1	38	MUNICIPAL SUBDIVISION
20		3	39 - 41	BLANK
21		1	42	ECONOMIC AREA
22		1	43	MUNICIPAL SUBDIVISION SIZE
23		1	44	RURAL/URBAN CODE
24		1	45	RURAL/URBAN MUNICIPALITY CODE
25		1	46	CMA/CA CODE (FROM MA/CA)
26		1	47	CMA/CA CODE (FROM CMA/CA PART)
27		1	48	LARGEST CITY CODE
28		2	49 - 50	BLANK

TABLE 1 TOTAL FAMILIES

29 7 51 - 57 TOTAL FAMILIES

TABLE 2 FAMILIES BY UNMARRIED CHILDREN AGED 0-24

30	7	58	-	64	FAMILIES WITH NO CHILDREN
31	7	65	-	71	FAMILIES WITH CHILDREN
32	7	72	-	78	TOTAL UNMARRIED CHILDREN
33	7	79	-	85	UNDER 6 YEARS OF AGE
34	7	86	-	92	6-14 YEARS
35	7	93	-	99	TOTAL 15-18 YEARS
36	7	100	-	106	15-18 AT SCHOOL
37	7	107	-	113	15-18 IN LABOUR FORCE
38	7	114	-	120	15-18 BOTH AT SCHOOL AND IN LABOUR FORCE
39	7	121	-	127	15-18 NOT AT SCHOOL OR IN LABOUR FORCE
40	7	128	-	134	TOTAL 19-24 YEARS
41	7	135	-	141	19-24 AT SCHOOL
42	7	142	-	148	19-24 IN LABOUR FORCE
43	7	149	-	155	19-24 BOTH AT SCHOOL AND IN LABOUR FORCE
44	7	156	-	162	19-24 NOT AT SCHOOL OR IN LABOUR FORCE

TABLE 2 AVERAGE NO. OF CHILDREN PER FAMILY (2 DEC. PLACES)

45 7 163 - 169 AVERAGE CHILDREN PER FAMILY

TABLE 3 FAMILY INCOME

46 7 170 - 176 AGGREGATE INCOME

47 7 177 - 183 AVERAGE INCOME

TABLE 4 FAMILIES BY NUMBER OF INCOME RECIPIENTS

48	7	184	-	190	ONE INCOME RECIPIENT
49	7	191	-	197	TWO INCOME RECIPIENTS
50	7	198	-	204	THREE OR MORE
51	7	205	-	211	TOTAL INCOME RECIPIENTS IN FAMILIES
52	7	212	-	218	AVERAGE INCOME RECIPIENTS IN FAMILIES
53	7	219	-	225	TOTAL FAMILIES WITH NO INCOME RECIPIENTS

TABLE 5 FAMILY HEADS BY SCHOOLING LEVEL

54	7	226	-	232	TOTAL FAMILY HEADS
55	7	233	-	239	NO SCHOOLING
56	7	240	-	246	UNDER GRADE 9
57	7	247	-	253	GRADE 9 TO 10

58	7	254	-	260	GRADE 11
59	7	261	-	267	GRADE 12
60	7	268	-	274	GRADE 13
61	7	275	-	281	SOME UNIVERSITY
62	7	282	-	288	UNIVERSITY DEGREE

TABLE 6

FAMILY HEADS BY OFFICIAL LANGUAGE

63	7	289	-	295	TOTAL FAMILY HEADS
64	7	296	-	302	ENGLISH
65	7	303	-	309	FRENCH
66	7	310	-	316	BOTH ENGLISH AND FRENCH
67	7	317	-	323	NEITHER ENGLISH NOR FRENCH

TABLE 7

FAMILY HEADS BY INCOME

68	7	324	-	330	AGGREGATE INCOME
69	7	331	-	337	AVERAGE INCOME

TABLE 8

FAMILY HEADS BY OCCUPATION

70	7	338	-	344	TOTAL HEADS IN EXPERIENCED LABOUR FORCE
71	7	345	-	351	MANAGEMENT ADMIN & RELATED OCCUP.
72	7	352	-	358	TEACHING AND RELATED OCCUPATIONS
73	7	359	-	365	MEDICINE AND HEALTH OCCUPATIONS
74	7	366	-	372	TECH. SOCIAL ARTISTIC & RELIG. OCCUP.
75	7	373	-	379	CLEICAL AND RELATED OCCUPATIONS
76	7	380	-	386	SALES OCCUPATIONS
77	7	387	-	393	SERVICE OCCUPATIONS
78	7	394	-	400	FARMING HORTICULTURE & ANIMAL HUSBANDRY
79	7	401	-	407	FARMERS
80	7	408	-	414	OTHER PRIMARY OCCUPATIONS
81	7	415	-	421	PROCESSING OCCUPATIONS
82	7	422	-	428	MACHINING FABRIC. ASSEMB. & REPAIRING
83	7	429	-	435	CONSTRUCTION TRADES OCCUPATIONS
84	7	436	-	442	TRANSPORT EQUIPMENT OPERATING OCCUPATIONS
85	7	443	-	449	OTHER OCCUPATIONS
86	7	450	-	456	OCCUPATIONS NOT STATED
87	7	457	-	463	ALL OTHER FAMILY HEADS

TABLE 9

TOTAL NON FAMILY PERSONS

88	7	464	-	470	TOTAL NON FAMILY PERSONS
----	---	-----	---	-----	--------------------------

TABLE 10

NON FAMILY PERSONS INCOME

89	7	471	-	477	AGGREGATE NON FAMILY INCOME
----	---	-----	---	-----	-----------------------------

90	7	478	-	484	AVERAGE NON FAMILY PERSONS INCOME
TABLE 11					
91	7	485	-	491	ENGLISH
92	7	492	-	498	FRENCH
93	7	499	-	505	BOTH ENGLISH AND FRENCH
94	7	506	-	512	NEITHER ENGLISH NOR FRENCH

TABLE 12 NON FAMILY PERSONS BY OCCUPATION

95	7	513	-	519	TOTAL IN-EXPERIENCED LABOUR FORCE
96	7	520	-	526	MANAGEMENT ADMIN & RELATED OCCUPATIONS
97	7	527	-	533	TEACHING AND RELATED OCCUPATIONS
98	7	534	-	540	MEDICINE AND HEALTH OCCUPATIONS
99	7	541	-	547	TECH SOCIAL AND ARTISTIC & RELIG. OCCUP.
100	7	548	-	554	CLERICAL AND RELATED OCCUPATIONS
101	7	555	-	561	SALES OCCUPATIONS
102	7	562	-	568	SERVICE OCCUPATIONS
103	7	569	-	575	FARMING HORTICULTURE & ANIMAL HUSBANDRY
104	7	576	-	582	FARMERS
105	7	583	-	589	OTHER PRIMARY OCCUPATIONS
106	7	590	-	596	PROCESSING OCCUPATIONS
107	7	597	-	603	MACHINING FABRIC. ASSEMB. & REPAIRING
108	7	604	-	610	CONSTRUCTION TRADES OCCUPATIONS
109	7	611	-	617	TRANSPDRT EQUIPMENT OPERATING OCCUPATIONS
110	7	618	-	624	OTHER OCCUPATIONS
111	7	625	-	631	OCCUPATION NOT STATED
112	7	632	-	638	ALL OTHER NON FAMILY PERSONS

TABLE 13 HOUSEHOLDS BY INCOME (FROM ALL SOURCES)

113	7	639	-	645	TOTAL HOUSEHOLDS
114	7	646	-	652	AGGREGATE INCOME
115	7	653	-	659	AVERAGE INCOME

TABLE 14 ECONOMIC FAMILY INCOME

116	7	660	-	666	TOTAL ECONOMIC FAMILIES
117	7	667	-	673	AGGREGATE INCOME
118	7	674	-	680	AVERAGE INCOME

TABLE 15 NON-ECONOMIC FAMILY PERSON INCOME

119	7	681	-	687	TOTAL NON-ECON FAMILY PERSONS
120	7	688	-	694	AGGREGATE INCOME
121	7	695	-	701	AVERAGE INCOME