

# 1990 Census of Population and Housing Summary File 3B on CD-ROM Addendum Technical Documentation

D1-D90-S30N-14-TECHB

**Note:** This technical documentation was issued at same time as the corresponding data file and does not necessarily reflect changes to the data file that may have been made later. We offer it as a service to our customers who have purchased the file, but we do not in general offer technical support for past data files. Note that although the documentation may refer to data on tape, the U.S. Census Bureau no longer releases data on magnetic tape; customers purchasing files previously released on tape will receive the file in ASCII on CD-ROM. For information about this and other technical documentation, please contact the Customer Services Center at 301-763-INFO (4636).

Additionally, Census Bureau organization, telephone numbers, and staff cited in this technical documentation are not current. For updated information, see our Telephone Contacts site at <http://www.census.gov/contacts/www/contacts.html> or Staff Search at <http://www.census.gov/cgi-bin/main/email.cgi>.

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Administration  
U.S. Census Bureau



**Summary Tape File 3B  
on CD-ROM  
Addendum**

**TECHNICAL DOCUMENTATION**

## **STF 3 B on CD-ROM Addendum**

The attached pages are relevant to STF 3B on CD-ROM. Please insert these into the How to Use This File chapter and Appendix I., CD-ROM Technical Information, of the technical documentation for STF 3 on CD-ROM. Do not replace the existing pages in the documentation; simply add these pages to each chapter.

These are the only documentation changes that pertain to the STF 3B CD-ROM release. The remainder of the STF 3 CD-ROM documentation pertains to STF 3A on CD-ROM and STF 3B on CD-ROM.

# STF 3B on CD-ROM Addendum

## FILE AVAILABILITY

STF 3B is available on three CD-ROM's. The cost of each is \$150 or \$300 for the set of three discs. For your convenience the tables below list the contents of each CD-ROM as well as a complete list of States in alphabetical order.

### CD90\_3B\_01

Alabama  
Connecticut  
Delaware  
District of Columbia  
Florida  
Georgia  
Maine  
Maryland  
Massachusetts  
Mississippi  
New Hampshire  
New Jersey  
New York  
North Carolina  
Pennsylvania  
Rhode Island  
South Carolina  
Tennessee  
Vermont  
Virginia  
West Virginia

### CD90\_3B\_02

Illinois  
Indiana  
Iowa  
Kansas  
Kentucky  
Michigan  
Minnesota  
Missouri  
Montana  
Nebraska  
North Dakota  
Ohio  
South Dakota  
Wisconsin  
Wyoming

### CD90\_3B\_03

Alaska  
Arizona  
Arkansas  
California  
Colorado  
Hawaii  
Idaho  
Louisiana  
Nevada  
New Mexico  
Oklahoma  
Oregon  
Texas  
Utah  
Washington

### STATE DISC

Alabama	1
Alaska	3
Arizona	3
Arkansas	3
California	3
Colorado	3
Connecticut	1
Delaware	1
District of Columbia	1
Florida	1
Georgia	1
Hawaii	3
Idaho	3
Illinois	2
Indiana	2
Iowa	2
Kansas	2

### STATE DISC

Kentucky	2
Louisiana	3
Maine	1
Maryland	1
Massachusetts	1
Michigan	2
Minnesota	2
Mississippi	1
Missouri	2
Montana	2
Nebraska	2
Nevada	3
New Hampshire	1
New Jersey	1
New Mexico	3
New York	1
North Carolina	1

### STATE DISC

North Dakota	2
Ohio	2
Oklahoma	3
Oregon	3
Pennsylvania	1
Rhode Island	1
South Carolina	1
South Dakota	2
Tennessee	1
Texas	3
Utah	3
Vermont	1
Virginia	1
Washington	3
West Virginia	1
Wisconsin	2
Wyoming	2

# STF 3B on CD-ROM Addendum

## COUNT CORRECTIONS

The Census Bureau issues population count corrections on an occasional basis. Count corrections for geography at the place level and above are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Count corrections for geography at the census tract/BNA level or below are available from Population Division, Bureau of the Census, Washington, DC 20233. When requesting these corrections, please include the desired census tract/BNA, block group, or block numbers.

## USING THE FILE

### File Segments

The file is segmented into 35 dBase III (.DBF) files, designated STF300.DBF through STF334.DBF. The STF300 segment contains the full 67 field identification section. The identification field names are shown in the Data Dictionary chapter of the technical documentation. Segments STF301 through STF334 each contain eight identification fields repeated from the STF300 segment. They are shown below.

#### Identification Fields Common To All Segments

SUMLEV	Summary Level
STATEFP	State (FIPS)
CNTY	County (FIPS)
SAC1	Special Area Code (1) — ZIP Code
SAC10	Special Area Code (10) — ZIP Code
	Total Indicator (or Part Indicator)
LOGRECNU	Logical Record Number

The segments are divided as shown below.

#### Data Tables In Each Segment

STF300	Field Identification Section
STF301	P1 - P13
STF302	P14A - P14C
STF303	P14D - P14F
STF304	P14G - P14I
STF305	P14J - P17
STF306	P18 - P26
STF307	P27 - P32

#### Data Tables In Each Segment—Con.

STF308	P33 - P36
STF309	P37 - P51
STF310	P52 - P60
STF311	P61 - P65
STF312	P66 - P70
STF313	P71 - P76
STF314	P77 - P83
STF315	P84 - P86
STF316	P87A
STF317	P87B
STF318	P87C
STF319	P87D
STF320	P87E
STF321	P88 - P107
STF322	P107A - P118
STF323	P119 - P121
STF324	P122 - P123
STF325	P124A - P124B
STF326	P125 - P143
STF327	P144 - P170, H1 - H9
STF328	H10 - H21
STF329	H22 - H33
STF330	H34 - H44
STF331	H45 - H52
STF332	H52A - H59
STF333	H60 - H81
STF334	H82 - H92

### Field Names In Numeric Data Tables

Fields in numeric data tables are named according to a convention which identifies the tables and the sequence of the data item within the table. The 63 data items in P88, for example, are identified as P0880001 through P0880063. The one data item in table P107A is identified as P107A001.

#### Components Of The Field Name

Character 1	P or H
Character 2-4	Table number; right justified with leading zeroes
Character 5	Sub-table letter; zero if not applicable
Character 6-8	Item number; right justified with leading zeroes

## Record Identification

Each record for STF 3B is uniquely identified by a combination of geographic (for example State and county), summary level, and geographic component codes. For example, if you have an STF 3B file and want to look at data for ZIP Code 20748 that is located in Prince George's County, Maryland, four identification fields must be checked: the summary level code for county records (820); special area code (1) for ZIP Code 20748; special area code (10) to determine if the ZIP Code is in more than one county; and the geographic component code. (All records will have a geographic component code of 00 which indicates that data are available for the total geographic area.) See the Summary Level Sequence Charts and Special Area Codes sections that follow for further information.

## SUMMARY LEVEL SEQUENCE CHARTS AND GEOGRAPHIC AREA COMPONENT CODES

The Summary Level Sequence Charts chapter and the geographic area component codes provide important information for using the 1990 census summary tape files.

For STF 3B, only summary levels 800 and 820 are used. The Summary Level Sequence Charts chapter for STF 3 files identifies the geographic levels for which data are provided. It is easy to determine this if you remember that the last geographic area type listed in the sequence identifies the geography of the summary level; the prior codes simply define the hierarchy. For example, in summary level 820, the hierarchy listed is ZIP Code—State—county. The record actually contains data for a county (or part of a county) within a given State and ZIP Code.

When reading the Summary Level Sequence Charts chapter, it is important to recognize that dashes (—) separate the individual hierarchies while slashes (/) separate different types of geography within the same hierarchy.

After identifying the summary level code, turn to chart 1 at the end of this chapter to determine the geographic area codes and area characteristics provided on CD-ROM for this summary level. Remember that an asterisk (\*) indicates a code in that field. The code may be one of the standard codes described below.

The Summary Level Sequence Charts chapter also provides geographic component code information. This code identifies the various geographic components for which the record is repeated within the summary level. These component codes are provided in the data dictionary beginning in position 14. For example, the Summary Level Sequence Chart for STF 3B indicates that the summary level for county records (820) has geographic component codes 00. By turning to the geographic component variable in the data dictionary, you can determine that the tables for summary level 820

(county) are available for total geography (county) (geographic component=00).

In short, always check the geographic codes, the summary level (beginning in position 11 of the data dictionary), the geographic component code (beginning in position 14 of the data dictionary), special area code (1), and special area code (10) for complete identification of an STF 3B record.

## SPECIAL AREA CODES

Special area codes appear in the geographic area codes portion of the data dictionary (positions 142-171) on all STF's. The codes represented may vary across STF's. In STF 3B CD-ROM files special area code (1), and special area code (10) are used. The codes are described below.

In STF 3B files only, special area code 1 is used to contain the 5-digit ZIP Code.

Special area code (10) is used to indicate the total ZIP Code area or a part of a ZIP Code area.

The codes used in special area code (10) are:

- 1 Represents the ZIP Code total
- Blank Represents a county part for a ZIP Code

A record with SUMLEV = "820" and SAC10 = "1" represents the ZIP Code total. A record with SUMLEV = "800" represents the ZIP Code total and SAC10 will always = "1". Records with SUMLEV = "820" may represent county parts for that ZIP Code, and those records will also have SAC10 = "blank". Summary Level 820 may or may not contain the total data for a ZIP Code. To determine this, check special area code (10) for a code of "1" or "blank".

For example:

Record	SUMLEV	CNTY	SAC1	SAC10
1	820	001	10001	1
2	800		10002	1
3	820	001	10002	Blanks
4	820	002	10002	Blanks

Record 1 represents the ZIP Code total for Zip Code 10001. Record 2 represents the ZIP Code total for ZIP Code 10002, and records 3 and 4 represent the two counties for which there are data for ZIP Code 10002. Note that record 2 does not have a county code because summary level 800 will always contain data for the entire ZIP Code.

## STANDARD CODES

In the identification section of all STF's, there are standard codes, undefined in the data dictionary, that

have identical meaning regardless of the field. The codes are the same size as the field; that is, a three-character field will have three symbols. These standard codes are listed below.

- ! Not available—The code would be shown except it had not been determined when the files were prepared (for example, metropolitan area code on a county summary level (050) on STF 1A).
- 9 Not in—This indicates a “remainder of” an area, such as a place code in the portion of a county subdivision not in a place, or the summary level is not part of any area to

which the code field applies, such as a summary level which is not in an Alaska Native Regional Corporation.

Blank Not applicable—This indicates that the code is not applicable to the summary level.

Where these codes are specifically defined in the data dictionary, the defined code should be used. For example, in the division code description on the data dictionary (position 89), the code for the Pacific Division is indicated as “9.” This “9” should be interpreted as the division code, not as “not in,” the standard code for “9.”

## STF 3B on CD-ROM Addendum

Figure 4. Reference Files

These files are found in the \REF subdirectory.

**STF3STRU.DBF** This file describes the structure of the first 67 fields of the STF3C0 segment. This is in the format of a dBASE III *extended structure* which has been expanded to include brief field descriptions.

Structure for database: stf300.dbf

Number of data records: 67

Field	Field Name	Type	Width	Dec
1	FIELD_NAME	Character	10	
2	FIELD_TYPE	Character	1	
3	FIELD_LEN	Numeric	3	
4	FIELD_DEC	Numeric	3	
5	FIELD_TEXT	Character	60	
** Total **			78	

**TABLES.DBF** This file describes the numeric data tables.

Structure for database: tables.dbf

Number of data records: 4,756

Field	Field Name	Type	Width	Dec
1	TABLE	Character	6	
2	FIELD	Character	10	
3	TEXT	Character	68	
4	SEGMENT	Character	6	
** Total **			91	



**Figure 4. Reference Files—Con.**

**ZIP\_[st].DBF** This file is a database reference file for each State and the District of Columbia that is found on discs 1, 2, or 3. Each of these files will be named ZIP\_[st].DBF (where st is the two letter State abbreviation). The file contains records for incorporated places in a State. Each record will contain the ZIP Code(s), SAC1, and area name for that place (ANPSADPI).

Structure for database: ZIP\_[st].DBF  
Number of data files: 51

Field	Field Name	Type	Width	Dec
1	STATEFP	Character	2	
2	SAC1	Character	5	
3	PLACEFP	Numeric	5	
4	ANPSADPI	Numeric	40	
** Total **			53	

**Figure 5. Index Files**

**TABLES.NDX** This is a dBASE III index file for TABLES.DBF. The key field is TABLE.

**STF3BM.NDX** This is a dBASE III index file for STF3[01-34].DBF

Key: SAC1

The following two indexes are for ZIP\_[st].DBF.

**ZIP[st]\_N.NDX** Key: Upper(ANPSADPI)

**ZIP[st]\_Z.NDX** Key: SAC1



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Bureau of the Census**  
Washington, DC 20233-0001

## **CENSUS OF POPULATION AND HOUSING, 1990: SUMMARY TAPE FILE 3**

### **USER NOTE 17**

This user note supersedes User Note 14.

As Summary Tape File 3B ZIP Code data are released, some minor changes need to be made in the STF 3 technical documentation. The attached revised pages from various chapters should be filed in their proper place in the technical documentation. This cover sheet should be filed in the User Notes chapter.

The File Availability section of the Abstract chapter has been revised to indicate that STF 3B is available as four files, based on the first number of the ZIP Code. The four files are:

- STF3B File S1—ZIP Codes beginning with 0, 1, or 2
- STF3B File S2—ZIP Codes beginning with 3 or 4
- STF3B File S3—ZIP Codes beginning with 5, 6, or 7
- STF3B File S4—ZIP Codes beginning with 8 or 9

For pricing information, contact Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Phone: 301-763-4100. FAX: 301-763-4794.

Tape orders which specify labeled tapes will have a standard American National Standards Institute (ANSI) label. The 1990 STF 3B files have a Data Set Name (DSN) of STF3BXss.Fnnxxxx, where ss is the ZIP Code file designator (S1, S2, S3, or S4), and nn is a two-digit number with leading zeroes identifying the tape volume sequence. (The "X", "F", and "X" in the DSN remain constant.) The How to Use This File chapter, page 2-2, Internal File Labels section, has been changed to describe this DSN. Remember that for STF 3B files only, Special Area Code 1 is used for the 5-digit ZIP Code, as mentioned on page 2-3.

Summary level 810 has been deleted from STF 3B. This change has been made in the Summary Level Sequence Chart and Chart 2, File Identification by Summary Level, at the end of the How to Use This File chapter. Only summary levels 800 (ZIP Code) and 820 (ZIP Code—State—County) are used for Summary Tape File 3B.

April 1993

# ABSTRACT

*The user should note that there are limitations to many of these data. Please refer to the technical documentation provided with Summary Tape File 3 for a further explanation on the limitations of the data.*

## CONTENTS

Citation	1-1
File Availability	1-3
Geographic Coverage	1-1
Related Products	1-2
Related Reference Materials	1-3
Subject Matter Description	1-1
Technical Description	1-3
Type of File	1-1
Universe Description	1-1

## CITATION

*Census of Population and Housing, 1990: Summary Tape File 3 [machine-readable data files] / prepared by the Bureau of the Census. —Washington: The Bureau [producer and distributor], 1991.*

## TYPE OF FILE

Summary statistics.

## UNIVERSE DESCRIPTION

All persons and housing units in the United States.

## SUBJECT MATTER DESCRIPTION

Summary Tape File 3 (STF 3) contains sample data weighted to represent the total population. In addition, the file contains 100-percent counts and unweighted sample counts for total persons and total housing units. Other population and housing items are listed below. Please see the List of Tables chapter for a complete listing.

Population items include:

Age	Household type and relationship
Ancestry	Income in 1989
Citizenship	Industry
Class of worker	Language spoken at home
Educational attainment	Marital status
Employment status	Means of transportation to work
Family type	Mobility limitation status
Farm and nonfarm population	Occupation
Foreign-born status	Place of birth
Group quarters	Place of work
Hispanic origin	

## Poverty status in 1989

Private vehicle

occupancy

Race

Residence in 1985

School enrollment

Self-care limitation status

## Sex

Travel time to work

Urban and rural population

Veteran/military status

Work disability status

Work status in 1989

Workers in family in 1989

## Housing items include:

Age of householder

Bedrooms

Condominium status

Farm and nonfarm housing

Heating fuel

Hispanic origin of householder

Housing units

Kitchen facilities

Meals included in rent

Mortgage status

Occupancy status

Plumbing facilities

Race of householder

Rent

Rooms

Selected monthly owner costs

Sewage disposal

Telephone availability

Tenure

Units in structure

Urban and rural housing

Utilities in rent

Value of housing unit

Vehicles available

Water source

Year householder moved into unit

Year structure built

Selected aggregates and medians also are provided. Data are presented in 178 population tables (matrices) and 99 housing tables (matrices).

## GEOGRAPHIC COVERAGE

Summary Tape File 3 is released as file 3A, file 3B, file 3C, and file 3D. The record layout is identical for all four files but the geographic coverage differs.

This abstract lists only the most frequently accessed geographic levels. The Summary Level Sequence Charts chapter outlines the hierarchical and inventory summaries in their entirety.

STF 3A provides data for States and their subareas in hierarchical sequence down to the block group level. This hierarchy is shown below:

State  
   County  
     County subdivision  
       Place (or place part)  
         Census tract/block numbering area (BNA)  
           (or part)  
             Block group (or part)

State portion of American Indian and Alaska Native area (with trust lands and with no trust lands)

County portion of American Indian and Alaska Native area

Alaska Native Regional Corporation

State portion of Metropolitan Statistical Area (MSA)/  
Consolidated Metropolitan Statistical Area (CMSA)/  
Primary Metropolitan Statistical Area (PMSA)

State portion of urbanized areas (UA)

File 3A also has inventory (complete) summaries for the following geographic areas:

Census tract/block numbering area (BNA)

Block group

Place

Consolidated city

STF 3B provides ZIP Code data for the 5-digit ZIP Codes within each State including county portions of the ZIP Codes. The hierarchy for the file is shown below:

ZIP Code

County

STF 3C provides summaries for the entire United States. The file structure is as follows:

United States

Region

Division

State

County

County subdivision with 10,000 or more persons (12 States)

County subdivision with fewer than 10,000 persons and in an MSA/CMSA (6 States)

Place with 10,000 or more persons

Consolidated city

American Indian/Alaska Native areas (with trust lands and with no trust lands)

Alaska Native Regional Corporation

Metropolitan Statistical Area (MSA)/Consolidated

Metropolitan Statistical Area (CMSA)/Primary

Metropolitan Statistical Area (PMSA)

Urbanized area (UA)

File 3D provides data by State for the Congressional Districts of the 103rd Congress. The hierarchy for STF 3D is shown as follows:

State

Congressional District (103rd Congress)

County (or part)

County subdivision with 10,000 or more persons (or part) (12 States)

Place with 10,000 or more persons (or part)

Consolidated city with 10,000 or more persons (or part)

American Indian reservation/Alaska Native area (with trust lands and with no trust lands) (or part)

Alaska Native Regional Corporation (or part)

## RELATED PRODUCTS

Listed below are the 1990 census printed reports containing sample data from STF 3 and STF 4. These reports will be available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. An order form follows this abstract.

1990 CPH-3, *Population and Housing Characteristics for Census Tracts and Block Numbering Areas*. One report will be published for each metropolitan area (MA) and one for the non-metropolitan balance of each State, Puerto Rico and the U.S. Virgin Islands showing data for most of the population and housing subjects included in the 1990 census. Some tables will be based on the 100-percent tabulations, others on the sample tabulations. Scheduled for release in 1993.

1990 CPH-4, *Population and Housing Characteristics for Congressional Districts of the 103rd Congress*. A report for each State and the District of Columbia which provides both 100-percent and sample data for States, congressional districts and, within congressional districts, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in 12 States, and American Indian and Alaska Native areas. All States are available.

1990 CPH-5, *Summary Social, Economic, and Housing Characteristics*. These reports, issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands, provide sample population and housing data for States and local governmental units (i.e., counties, places, towns, and townships), other county subdivisions, and American Indian and Alaska Native areas. All States are available.

1990 CP-2, *Social and Economic Characteristics*. These reports are issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands. They focus on the population subjects collected on a sample basis in 1990. Data are shown for States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, Alaska Native areas, and each State portion of American Indian areas. Scheduled for release in 1993.

1990 CP-2-1A, *Social and Economic Characteristics for American Indian and Alaska Native Areas*. Data are shown for American Indian and Alaska Native areas. Scheduled for release in 1993.

1990 CP-2-1B, *Social and Economic Characteristics for Metropolitan Areas*. Data are shown for MA's. Scheduled for release in 1993.

1990 CP-2-1C, *Social and Economic Characteristics for Urbanized Areas*. Data are shown for urbanized areas (UA's). Scheduled for release in 1993.

1990 CP-3, *Population Subject Reports*. Several reports are planned covering population subjects and subgroups. Geographic areas generally will include the United States, regions, and divisions; some reports may include data for highly populated areas, such as States, MA's, counties and large places. Scheduled for release in 1993.

1990 CH-2, *Detailed Housing Characteristics*. These reports, issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands, focus on the housing subjects collected on a sample basis in 1990. Data are shown for States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, Alaska Native areas and the State portion of American Indian areas. Scheduled for release in 1993.

1990 CH-2-1A, *Detailed Housing Characteristics for American Indian and Alaska Native Areas*. Data are shown for American Indian and Alaska Native areas. Scheduled for release in 1993.

1990 CH-2-1B, *Detailed Housing Characteristics for Metropolitan Areas*. Data are shown for MA's. Scheduled for release in 1993.

1990 CH-2-1C, *Detailed Housing Characteristics for Urbanized Areas*. Data are shown for UA's. Scheduled for release in 1993.

1990 CH-3, *Housing Subject Reports*. Various housing subject reports are planned covering 1990 census items. Geographic areas generally include the United States, regions, and divisions; some reports may include data for other highly populated geographic areas such as States, MA's, counties, and large places. Scheduled for release in 1993.

STF 3A, 3B, and STF 3C will be available as CD-ROM products. Each of these products will include all tables and geography available on the equivalent tape file.

## RELATED REFERENCE MATERIALS

1990 *Census of Population and Housing Tabulation and Publication Program*. This booklet provides descriptions of the data products available from the 1990 census. Available without charge from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Phone: 301-763-4100. FAX: 301-763-4794.

*Census '90 Basics*. This booklet provides a general overview of the census activity and detailed information on census content, geographic areas, and products. Available without charge from Customer Services (see above).

*Census ABC's—Applications in Business and Community*. This booklet highlights key information about the 1990 census and illustrates a variety of ways the data can be used. Available without charge from Customer Services (see above).

1990 CPH-R-1A, *1990 Census of Population and Housing Guide, Part A. Text*. This provides detailed information about all aspects of the census. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. GPO S/N 003-024-08574-7. Price: \$11.

1990 CPH-R-1B, *1990 Census of Population and Housing Guide, Part B. Glossary*. This is available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. GPO S/N 003-024-08679-4. Price: \$5.50. Part C, Index, provides an index of Summary Tape Files 1-4 and will be available in the spring of 1993.

## TECHNICAL DESCRIPTION

STF 3 data files have a record size of 31,700 characters divided into four record segments of 7,925 characters each. The first 300 characters of each segment contain geographic information.

## FILE AVAILABILITY

STF 3A and 3D files are provided for each State and the District of Columbia and are released on a State-by-State basis. STF 3B is available as four files, based on the first number of the ZIP Code. The four files are:

- STF3B File S1—ZIP Codes beginning with 0, 1, or 2
- STF3B File S2—ZIP Codes beginning with 3 or 4
- STF3B File S3—ZIP Codes beginning with 5, 6, or 7
- STF3B File S4—ZIP Codes beginning with 8 or 9

STF 3C file is available as a single file for the United States. All files and pricing information are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. (See above for phone and FAX information.) A machine-readable data dictionary is included on the tape without charge. Options include 6250 or 1600 bpi, ASCII or EBCDIC, labeled or unlabeled. The files are also available on tape cartridges (IBM 3480 compatible) for the same price. When ordering, please use the order form at the end of this chapter.

Files for the individual States are priced according to the number of megabytes of data they contain. The minimum charge for a computer tape or tape cartridge order is \$175 for one or more State files within a single file series (STF 3A, STF 3C and STF 3D).

# HOW TO USE THIS FILE

## CONTENTS

Appendixes .....	2-1
Count Corrections .....	2-2
Data Dictionary .....	2-1
Documentation Chapters .....	2-1
Internal File Labels .....	2-2
Record Identification .....	2-3
Record Segmentation .....	2-2
Special Area Codes .....	2-3
Standard Codes .....	2-4
State-Specific File Information .....	2-2
Summary-Level Sequence Charts and Geographic Area Component Codes .....	2-3
User Notes .....	2-1

This chapter serves as a guide for data users to both the tape and the technical documentation. Novice users trying to understand how to use the documentation and the file should read this chapter first.

## DOCUMENTATION CHAPTERS

The Abstract chapter in this documentation provides a quick overview of the file, including the formal title, geographic coverage, subject coverage, and file availability. Also shown are citations for related reference materials and printed reports. Their titles and geography are included in this section, along with purchasing information.

The Subject Locator is an aid to finding which tables provide the information needed. The List of Tables (Matrices) and the Table (Matrix) Outlines provide two types of presentations for the tables available in the file. The List of Tables (Matrices) has the table titles and universes.

The Table (Matrix) Outlines offer a detailed presentation of the tables. When reviewing the tables, remember that a colon (:) following an entry indicates the entry is a heading, not a data cell.

## USER NOTES

Information about file or documentation changes sometimes becomes available after the documentation has been printed. User notes inform the user community about these changes. These are issued in a numbered series. If there are technical documentation changes, revised pages usually accompany them. The revised pages should be inserted in their proper location, but the user note cover sheet should be filed in the User Notes chapter. Technical notes, which contain

file errata, are also issued by the Census Bureau. We suggest filing these following appendix I.

## DATA DICTIONARY

The data dictionary describes the file and provides character locations for each variable and each table. It has two elements, the identification section and the table (matrix) section.

In the identification section, the components include the field name; the data dictionary reference name, a short mnemonic for use with software packages; field size; starting position; and data type (alphabetic, numeric, or alphanumeric).

The identification section of the data dictionary is identical for all summary tape files. It provides a list of the geographic codes or refers the user to the appropriate source. Review the footnotes carefully; they provide explanations for various terms. These footnotes are listed at the end of the identification section of the data dictionary.

The table (matrix) section provides information on the table (matrix) number; table (matrix) description; number of implied decimals in each cell (if not 0); starting position within the record, within the segment, and for all cells within the first-level variable; and cell coordinates.

There also is a machine-readable data dictionary file on the data tape. This dictionary is designed to be converted for use with various software packages.

## APPENDIXES

Detailed information on geographic areas is in appendix A followed by subject-matter definitions in appendix B. Appendix C provides detailed statistical information about the data while appendix D outlines the data collection and processing procedures. Facsimiles of both the respondent instructions and 1990 census long-form questionnaire are in appendix E.

Appendix F furnishes detailed information on all the data products of the 1990 census, as well as suggested sources of information and assistance. Map information is included in appendix G. The record layout for the machine-readable data dictionary file that accompanies each tape order is in appendix H.

Appendix I contains the code lists used in processing the data. These are especially helpful in determining the components included in categories such as race or group quarters. These codes are used in conjunction with the table (matrix) outlines and data dictionary chapters. In the file presentation included in those chapters, some cell entries are followed by numeric

codes in parentheses. These are the codes included in that cell. For example, in a table including race, the entry for Asian or Pacific Islander is followed by (600-699, 976-985). The code list for race in appendix I identifies all the race codes included in the Asian or Pacific Islander category.

## COUNT CORRECTIONS

The Census Bureau issues population count corrections on an occasional basis. Count corrections for geography at the place level and above are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Count corrections for geography at the census tract/BNA level or below are available from Population Division, Bureau of the Census, Washington, DC 20233. When requesting these corrections, please include the desired census tract/BNA, block group, or block numbers.

## INTERNAL FILE LABELS

### System Labels

Tape orders which specify labeled tapes will have a standard American National Standards Institute (ANSI) label. The system label consists of 17 characters, but only the first 12 are active. The remaining five characters will be 'X' filled. The 1990 STF 3A, 3C, and 3D files have a Data Set Name (DSN) of STF3tXss.Fnnxxxx where t is A, C, or D depending on the file, ss is the United States Postal Service (USPS) State or United States abbreviation, and nn is a two-digit number with leading zeroes identifying the tape volume sequence. Tape orders which specify labeled tapes will have a standard American National Standards Institute (ANSI) label. The 1990 STF 3B files have a Data Set Name (DSN) of STF3BXss.Fnnxxxx, where ss is the ZIP Code file designator (S1, S2, S3, or S4), and nn is a two-digit number with leading zeroes identifying the tape volume sequence. (The "X", "F", and "x" in the DSN remain constant.)

### User Labels

Each user tape will have six user header labels and six user trailer labels. These labels combine information from the system label and the identification portion of the first and last record. These labels enable the user to quickly identify the beginning and ending records on each tape.

**User Header Labels**—The user header labels are designated UHL1 through UHL6. UHL1 and UHL2 repeat information from the system label in HDR1 and HDR2.

UHL3 and UHL4 contain information from the identification portion of the first record on the tape. UHL5 through UHL6 contain a statement regarding the data.

**User Trailer Labels**—The user trailer labels are designated UTL1 through UTL6. UTL1 and UTL2 contain information from the system trailer label. UTL3 and subsequent user trailer labels contain identification information from the last record on the tape. The unused portion of UTL6 is blank filled.

## STATE-SPECIFIC FILE INFORMATION

*State-specific file information, such as record counts, is not provided in the technical documentation. However, each tape order is accompanied by a tape creation sheet. This sheet provides the file name, file label (HDR1), the third user header label (UHL3), record size, block size, and record count. The third user header label for each reel identifies the geography for the first record on the reel. For example, the UHL3 at the beginning of each reel of a three-reel file for a State provides the geography for the first record. If the geography needed is on reel three, only reel three needs to be processed.*

The tape creation sheet received with the tape should be filed in the technical documentation notebook or with other tape information maintained by the user.

## RECORD SEGMENTATION

Logical records are divided into segments, each containing identification information and specific tables. The logical record has a record sequence number which is repeated in each segment. This is the logical record number which appears in position 19 of each segment. Following this, beginning in positions 25 and 29, are the logical record part number and the total number of parts in the record. By viewing these two fields together, the sequence of the segment and the total number of segments can be quickly determined. For example, 1 in the logical record part number field and 4 in the total number of parts in record field indicates that this is segment 1 of the 4 segments which comprise the logical record.

Each STF 3 logical record has a record size of 31,700 characters. The record is divided into 4 record segments of 7,925 characters with each segment having 300 characters of identification information followed by tables (matrices). The geographic information layout for each segment is identical to the identification information described for starting positions 1-300 of the data dictionary. The segmentation scheme is illustrated below.

Chart 1. Segmentation of STF3 Records

Segment 1		Segment 2	
Geographic Identification Information 300 characters	Tables P1-P38 7,925 chars including 2 characters filler	Geographic Identification Information 300 characters	Tables P39-P87 7,925 chars including 8 characters filler
Segment 3		Segment 4	
Geographic Identification Information 300 characters	Tables P87-P132 7,925 chars including 8 characters filler	Geographic Identification Information 300 characters	Tables P133-P182 7,925 chars including 35 characters filler

In all STF 3 files, table P38 is split across segments. There are 3 cells in the first segment and 5 cells in the second segment. The first segment has two characters of filler at the end of the segment, beginning in position 7924. Table P87 is split between segments 2 and 3. There are 105 cells of the table in segment 2 and 210 cells in segment 3. Segments 2 and 3 each have 8 characters of filler at the end, beginning in position 7918. Segment 4 has 35 filler characters at the end, beginning in position 7891.

## RECORD IDENTIFICATION

Each record on a summary tape file is uniquely identified by a combination of geographic (for example, State, county, and county subdivision), summary level, and geographic component codes. For example, if you have a Maryland STF 3A file and want to look at the summary record for Prince George's County, three identification fields must be checked: the summary level code for county records (050), the total record for geographic components (00), and the county code for Prince George's County (033). If all three fields are not checked, multiple records will be found. See the Summary Level Sequence Charts and Geographic Area Component Codes section below for information on identifying summary level and geographic component codes.

## SUMMARY LEVEL SEQUENCE CHARTS AND GEOGRAPHIC AREA COMPONENT CODES

The Summary Level Sequence Charts chapter and the geographic area component codes provide important information for using the 1990 census summary tape files.

The Summary Level Sequence Charts chapter for STF 3 files identifies the geographic levels for which data are provided. It is easy to determine this if you remember that the last geographic area type listed in the se-

quence identifies the geography of the summary level; the prior codes simply define the hierarchy. For example, in summary level 140, the hierarchy listed is State—county—census tract/block numbering area (BNA). The record actually contains data for a census tract/BNA within a given county and State.

When reading the Summary Level Sequence Charts chapter, it is important to recognize that dashes (—) separate the individual hierarchies while slashes (/) separate different types of geography within the same hierarchy.

After identifying the summary level code, turn to chart 2 at the end of this chapter to determine the geographic area codes and area characteristics provided on the tape for this summary level. Remember that an asterisk (\*) indicates a code in that field. The code may be one of the standard codes described below.

The Summary Level Sequence Charts chapter also provides geographic component code information. This code identifies the various geographic components for which the record is repeated within the summary level. These component codes are provided in the data dictionary beginning in position 14. For example, the Summary Level Sequence Chart for STF 3A indicates that the summary level for State records (040) has geographic component codes 00, 40, 42, 43, and 44. By turning to the geographic component variable in the data dictionary, you can determine that the tables for summary level 040 (State) are available for total geography (State) (geographic component=00), American Indian reservation and trust land (geographic component=40), tribal jurisdiction statistical area (geographic component=42), tribal designated statistical area (geographic component=43), and Alaska Native village statistical area (Alaska only) (geographic component=44).

In short, always check the geographic codes, the summary level (beginning in position 11 of the data dictionary), and the geographic component code (beginning in position 14 of the data dictionary) for complete identification of an STF 3 record.

## SPECIAL AREA CODES

Special area codes appear in the geographic area codes portion of the data dictionary (positions 142-171) on all STF's. The codes represented may vary across STF's. In STF 3 files, special area code (7) and special area code (9) are used. The codes are described below. Special area code (7) is used in summary levels 501, 510, 520, 530, 540, 550, 551, 552, and 560 in STF 3D. Special area code (9) is used in all summary levels except 800 and 820.

In STF 3B files only, Special Area Code 1 is used. It contains the 5-digit ZIP Code.



**Special area code (7)—Congressional District number  
(103rd Congress)**

- |       |  |
|-------|--|
| 00    | One at large representative                |
| 01-45 | Congressional district number              |
| 98    | District of Columbia nonvoting<br>delegate |

**Special area code (9)—Land/water area**

- |   |   |
|---|---|
| 1 | Significant land, significant (0.0005 or<br>more square kilometers) water |
| 2 | Significant land, minimal (less than<br>0.0005 square kilometer) water    |
| 3 | Significant land, zero (0) water  |
| 4 | Minimal land, significant water   |
| 5 | Minimal land, minimal water   |
| 6 | Minimal land, zero water  |
| 7 | Zero land, significant water  |
| 8 | Zero land, minimal water  |
| 9 | Zero land, zero water   |

**STANDARD CODES**

In the identification section of all STF's, there are standard codes, undefined in the data dictionary, that have identical meaning regardless of the field. The codes are the same size as the field; that is, a three-character field will have three symbols. These standard codes are listed below.

**1** Not available—The code would be shown except it had not been determined when the files were prepared (for example, metropolitan area code on a county summary level (050) on STF 1A).

**9** Not in—This indicates a "remainder of" an area, such as a place code in the portion of a county subdivision not in a place, or the summary level is not part of any area to which the code field applies, such as a summary level which is not in an Alaska Native Regional Corporation.

**Blank** Not applicable—This indicates that the code is not applicable to the summary level.

Where these codes are specifically defined in the data dictionary, the defined code should be used. For example, in the division code description on the data dictionary (position 89), the code for the Pacific Division is indicated as "9." This "9" should be interpreted as the division code, not as "not in," the standard code for "9."

Summary level 801 810 820	Summary level 830 840 850	Summary level 851 852 860	Summary level 800 820	Field Name
				<b>Record Codes</b>
*	*	*	*	* File Identification
*	*	*	*	* State/US-Abbreviation
*	*	*	*	* Summary Level
*	*	*	*	* Geographic Component
				<hr/>
*	*	*	*	* Characteristic Iteration
*	*	*	*	* Logical Record Number
*	*	*	*	* Logical Record Part Number
*	*	*	*	* Total Number of Parts In Record
				<hr/>
				<b>Geographic Area Codes</b>
				Alaska Native Regional Corporation
				American Indian/Alaska Native Area (Census)
				American Indian/Alaska Native Area (FIPS)
				American Indian/Alaska Native Area Class Code
				<hr/>
				American Indian Reservation Trust Land Indicator
				Block
				Block Group
				Census Tract/Block Numbering Area
				<hr/>
*	*	*	*	Congressional District
				Consolidated City (Census)
				Consolidated City (FIPS)
				Consolidated City Class Code
				<hr/>
				Consolidated City Size Code
*	*			* Consolidated Metropolitan Statistical Area
*	*			* County
*	*			* County Size Code
				<hr/>
				County Subdivision (Census)
				County Subdivision (FIPS)
				County Subdivision Class Code
				County Subdivision Size Code
				<hr/>
*	*	*	*	* Division
				Extended City Indicator
				Internal Use Code
				Metropolitan Statistical Area/Consolidated
*	*			* Metropolitan Statistical Area
				<hr/>

**Chart 2. STF 3 File Identification by Summary Level<sup>1</sup>—Con.**

Field name	Summary level			Summary level			Summary level		
	340	341	400	410	420	430	440	450	460
<b>Geographic Area Codes—Con.</b>									
MSA/CMSA Size Code	*	*				*	*	*	
Place (Census)	*	*						*	*
Place (FIPS)	*	*						*	*
Place Class Code	*	*						*	*
Place Description Code	*	*						*	*
Place Size Code	*	*						*	*
Primary Metropolitan Statistical Area		*				*	*	*	
Region	*	*		*	*	*	*	*	*
State (Census)	*	*		*	*	*	*	*	*
State (FIPS)	*	*		*	*	*	*	*	*
Urban/Rural			*	*	*	*	*	*	*
Urbanized Area			*	*	*	*	*	*	*
Urbanized Area Size Code			*	*	*	*	*	*	*
Special Area Code (1)									
Special Area Code (2)									
Special Area Code (3)									
Special Area Code (4)									
Special Area Code (5)									
Special Area Code (6)									
Special Area Code (7)									
Special Area Code (8)									
Special Area Code (9)	*	*	*	*	*	*	*	*	*
Special Area Code (10)									
<b>Area Characteristics</b>									
Area (Land)	*	*	*	*	*	*	*	*	*
Area (Water)	*	*	*	*	*	*	*	*	*
Area Name/PSAD Term/Part Indicator	*	*	*	*	*	*	*	*	*
Functional Status Code	*	*	*	*	*	*	*	*	*
Geographic Change User Note Indicator	*	*		*		*	*	*	*
Housing Unit Count (100 percent)	*	*	*	*	*	*	*	*	*
Internal Point (Latitude)	*	*	*	*	*	*	*	*	*
Internal Point (Longitude)	*	*	*	*	*	*	*	*	*
Part Flag	*	*		*	*	*	*	*	*
Political/Statistical Area Description Code	*	*	*	*	*	*	*	*	*
Population Count (100 percent)	*	*	*	*	*	*	*	*	*
Special Flag	*	*	*	*	*	*	*	*	*

<sup>1</sup>See the Summary Level Sequence Charts chapter for identification of the summary level record numbers.

Summary level 801	Summary level 810	Summary level 820	Summary level 830	Summary level 840	Summary level 850	Summary level 851	Summary level 852	Summary level 860	Summary level 800	Summary level 820	Field Name
<b>Geographic Area Codes—Con.</b>											
	*	*								*	MSA/CMSA Size Code
			*								Place (Census)
			*								Place (FIPS)
			*								Place Class Code
<hr/>											
			*								Place Description Code
			*								Place Size Code
	*	*								*	Primary Metropolitan Statistical Area
*	*	*	*	*	*	*	*	*		*	Region
<hr/>											
*	*	*	*	*	*	*	*	*		*	State (Census)
*	*	*	*	*	*	*	*	*		*	State (FIPS)
											Urban/Rural
											Urbanized Area
											Urbanized Area Size Code
<hr/>											
									*	*	Special Area Code (1)
											Special Area Code (2)
											Special Area Code (3)
											Special Area Code (4)
											Special Area Code (5)
<hr/>											
*	*	*	*	*	*	*	*	*			Special Area Code (6)
											Special Area Code (7)
											Special Area Code (8)
*	*	*	*	*	*	*	*	*			Special Area Code (9)
											Special Area Code (10)
<hr/>											
<b>Area Characteristics</b>											
*	*	*	*	*	*	*	*	*			Area (Land)
*	*	*	*	*	*	*	*	*			Area (Water)
*	*	*	*	*	*	*	*	*	*	*	Area Name/PSAD Term/Part Indicator
*	*	*	*	*	*	*	*	*		*	Functional Status Code
<hr/>											
	*	*	*	*	*	*	*	*		*	Geographic Change User Note Indicator
*	*	*	*	*	*	*	*	*	*	*	Housing Unit Count (100 percent)
*	*	*	*	*	*	*	*	*			Internal Point (Latitude)
*	*	*	*	*	*	*	*	*			Internal Point (Longitude)
<hr/>											
	*	*	*	*	*	*	*	*		*	Part Flag
	*	*	*	*	*	*	*	*		*	Political/Statistical Area Description Code
*	*	*	*	*	*	*	*	*	*	*	Population Count (100 percent)
*	*	*	*	*	*	*	*	*	*	*	Special Flag

**STF 3B**

<u>Summary level area</u>	<u>Summary level code</u>	<u>Geographic component code</u>
ZIP Code	800	00
ZIP Code—State—County	820	00



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Bureau of the Census**  
Washington, DC 20233-0001

## **CENSUS OF POPULATION AND HOUSING, 1990: SUMMARY TAPE FILE 3**

### **USER NOTE 17**

This user note supersedes User Note 14.

As Summary Tape File 3B ZIP Code data are released, some minor changes need to be made in the STF 3 technical documentation. The attached revised pages from various chapters should be filed in their proper place in the technical documentation. This cover sheet should be filed in the User Notes chapter.

The File Availability section of the Abstract chapter has been revised to indicate that STF 3B is available as four files, based on the first number of the ZIP Code. The four files are:

- STF3B File S1—ZIP Codes beginning with 0, 1, or 2
- STF3B File S2—ZIP Codes beginning with 3 or 4
- STF3B File S3—ZIP Codes beginning with 5, 6, or 7
- STF3B File S4—ZIP Codes beginning with 8 or 9

For pricing information, contact Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Phone: 301-763-4100. FAX: 301-763-4794.

Tape orders which specify labeled tapes will have a standard American National Standards Institute (ANSI) label. The 1990 STF 3B files have a Data Set Name (DSN) of STF3BXss.Fnnxxxx, where ss is the ZIP Code file designator (S1, S2, S3, or S4), and nn is a two-digit number with leading zeroes identifying the tape volume sequence. (The "X", "F", and "x" in the DSN remain constant.) The How to Use This File chapter, page 2-2, Internal File Labels section, has been changed to describe this DSN. Remember that for STF 3B files only, Special Area Code 1 is used for the 5-digit ZIP Code, as mentioned on page 2-3.

Summary level 810 has been deleted from STF 3B. This change has been made in the Summary Level Sequence Chart and Chart 2, File Identification by Summary Level, at the end of the How to Use This File chapter. Only summary levels 800 (ZIP Code) and 820 (ZIP Code—State—County) are used for Summary Tape File 3B.

April 1993

# ABSTRACT

*The user should note that there are limitations to many of these data. Please refer to the technical documentation provided with Summary Tape File 3 for a further explanation on the limitations of the data.*

## CONTENTS

Citation	1-1
File Availability	1-3
Geographic Coverage	1-1
Related Products	1-2
Related Reference Materials	1-3
Subject Matter Description	1-1
Technical Description	1-3
Type of File	1-1
Universe Description	1-1

## CITATION

*Census of Population and Housing, 1990: Summary Tape File 3 [machine-readable data files] / prepared by the Bureau of the Census. —Washington: The Bureau [producer and distributor], 1991.*

## TYPE OF FILE

Summary statistics.

## UNIVERSE DESCRIPTION

All persons and housing units in the United States.

## SUBJECT MATTER DESCRIPTION

Summary Tape File 3 (STF 3) contains sample data weighted to represent the total population. In addition, the file contains 100-percent counts and unweighted sample counts for total persons and total housing units. Other population and housing items are listed below. Please see the List of Tables chapter for a complete listing.

### Population items include:

Age	Household type and relationship
Ancestry	Income in 1989
Citizenship	Industry
Class of worker	Language spoken at home
Educational attainment	Marital status
Employment status	Means of transportation to work
Family type	Mobility limitation status
Farm and nonfarm population	Occupation
Foreign-born status	Place of birth
Group quarters	Place of work
Hispanic origin	

### Poverty status in 1989

Private vehicle

occupancy

Race

Residence in 1985

School enrollment

Self-care limitation status

### Sex

Travel time to work

Urban and rural population

Veteran/military status

Work disability status

Work status in 1989

Workers in family in 1989

### Housing items include:

Age of householder

Bedrooms

Condominium status

Farm and nonfarm housing

Heating fuel

Hispanic origin of householder

Housing units

Kitchen facilities

Meals included in rent

Mortgage status

Occupancy status

Plumbing facilities

Race of householder

Rent

Rooms

Selected monthly owner costs

Sewage disposal

Telephone availability

Tenure

Units in structure

Urban and rural housing

Utilities in rent

Value of housing unit

Vehicles available

Water source

Year householder moved into unit

Year structure built

Selected aggregates and medians also are provided. Data are presented in 178 population tables (matrices) and 99 housing tables (matrices).

## GEOGRAPHIC COVERAGE

Summary Tape File 3 is released as file 3A, file 3B, file 3C, and file 3D. The record layout is identical for all four files but the geographic coverage differs.

This abstract lists only the most frequently accessed geographic levels. The Summary Level Sequence Charts chapter outlines the hierarchical and inventory summaries in their entirety.

STF 3A provides data for States and their subareas in hierarchical sequence down to the block group level. This hierarchy is shown below:

State  
   County  
     County subdivision  
       Place (or place part)  
       Census tract/block numbering area (BNA)  
       (or part)  
       Block group (or part)

State portion of American Indian and Alaska Native area (with trust lands and with no trust lands)

County portion of American Indian and Alaska Native area

Alaska Native Regional Corporation

State portion of Metropolitan Statistical Area (MSA)/  
Consolidated Metropolitan Statistical Area (CMSA)/  
Primary Metropolitan Statistical Area (PMSA)

State portion of urbanized areas (UA)

File 3A also has inventory (complete) summaries for the following geographic areas:

Census tract/block numbering area (BNA)

Block group

Place

Consolidated city

STF 3B provides ZIP Code data for the 5-digit ZIP Codes within each State including county portions of the ZIP Codes. The hierarchy for the file is shown below:

ZIP Code

County

STF 3C provides summaries for the entire United States. The file structure is as follows:

United States

Region

Division

State

County

County subdivision with 10,000 or more persons (12 States)

County subdivision with fewer than 10,000 persons and in an MSA/CMSA (6 States)

Place with 10,000 or more persons

Consolidated city

American Indian/Alaska Native areas (with trust lands and with no trust lands)

Alaska Native Regional Corporation

Metropolitan Statistical Area (MSA)/Consolidated

Metropolitan Statistical Area (CMSA)/Primary

Metropolitan Statistical Area (PMSA)

Urbanized area (UA)

File 3D provides data by State for the Congressional Districts of the 103rd Congress. The hierarchy for STF 3D is shown as follows:

State

Congressional District (103rd Congress)

County (or part)

County subdivision with 10,000 or more persons (or part) (12 States)

Place with 10,000 or more persons (or part)

Consolidated city with 10,000 or more persons (or part)

American Indian reservation/Alaska Native area (with trust lands and with no trust lands) (or part)

Alaska Native Regional Corporation (or part)

## RELATED PRODUCTS

Listed below are the 1990 census printed reports containing sample data from STF 3 and STF 4. These reports will be available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. An order form follows this abstract.

1990 CPH-3, *Population and Housing Characteristics for Census Tracts and Block Numbering Areas*. One report will be published for each metropolitan area (MA) and one for the non-metropolitan balance of each State, Puerto Rico and the U.S. Virgin Islands showing data for most of the population and housing subjects included in the 1990 census. Some tables will be based on the 100-percent tabulations, others on the sample tabulations. Scheduled for release in 1993.

1990 CPH-4, *Population and Housing Characteristics for Congressional Districts of the 103rd Congress*. A report for each State and the District of Columbia which provides both 100-percent and sample data for States, congressional districts and, within congressional districts, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in 12 States, and American Indian and Alaska Native areas. All States are available.

1990 CPH-5, *Summary Social, Economic, and Housing Characteristics*. These reports, issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands, provide sample population and housing data for States and local governmental units (i.e., counties, places, towns, and townships), other county subdivisions, and American Indian and Alaska Native areas. All States are available.

1990 CP-2, *Social and Economic Characteristics*. These reports are issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands. They focus on the population subjects collected on a sample basis in 1990. Data are shown for States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, Alaska Native areas, and each State portion of American Indian areas. Scheduled for release in 1993.

1990 CP-2-1A, *Social and Economic Characteristics for American Indian and Alaska Native Areas*. Data are shown for American Indian and Alaska Native areas. Scheduled for release in 1993.

1990 CP-2-1B, *Social and Economic Characteristics for Metropolitan Areas*. Data are shown for MA's. Scheduled for release in 1993.



1990 CP-2-1C, *Social and Economic Characteristics for Urbanized Areas*. Data are shown for urbanized areas (UA's). Scheduled for release in 1993.

1990 CP-3, *Population Subject Reports*. Several reports are planned covering population subjects and subgroups. Geographic areas generally will include the United States, regions, and divisions; some reports may include data for highly populated areas, such as States, MA's, counties and large places. Scheduled for release in 1993.

1990 CH-2, *Detailed Housing Characteristics*. These reports, issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands, focus on the housing subjects collected on a sample basis in 1990. Data are shown for States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, Alaska Native areas and the State portion of American Indian areas. Scheduled for release in 1993.

1990 CH-2-1A, *Detailed Housing Characteristics for American Indian and Alaska Native Areas*. Data are shown for American Indian and Alaska Native areas. Scheduled for release in 1993.

1990 CH-2-1B, *Detailed Housing Characteristics for Metropolitan Areas*. Data are shown for MA's. Scheduled for release in 1993.

1990 CH-2-1C, *Detailed Housing Characteristics for Urbanized Areas*. Data are shown for UA's. Scheduled for release in 1993.

1990 CH-3, *Housing Subject Reports*. Various housing subject reports are planned covering 1990 census items. Geographic areas generally include the United States, regions, and divisions; some reports may include data for other highly populated geographic areas such as States, MA's, counties, and large places. Scheduled for release in 1993.

STF 3A, 3B, and STF 3C will be available as CD-ROM products. Each of these products will include all tables and geography available on the equivalent tape file.

## RELATED REFERENCE MATERIALS

1990 *Census of Population and Housing Tabulation and Publication Program*. This booklet provides descriptions of the data products available from the 1990 census. Available without charge from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Phone: 301-763-4100. FAX: 301-763-4794.

*Census '90 Basics*. This booklet provides a general overview of the census activity and detailed information on census content, geographic areas, and products. Available without charge from Customer Services (see above).

*Census ABC's—Applications in Business and Community*. This booklet highlights key information about the 1990 census and illustrates a variety of ways the data can be used. Available without charge from Customer Services (see above).

1990 CPH-R-1A, *1990 Census of Population and Housing Guide, Part A. Text*. This provides detailed information about all aspects of the census. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. GPO S/N 003-024-08574-7. Price: \$11.

1990 CPH-R-1B, *1990 Census of Population and Housing Guide, Part B. Glossary*. This is available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. GPO S/N 003-024-08679-4. Price: \$5.50. Part C, Index, provides an index of Summary Tape Files 1-4 and will be available in the spring of 1993.

## TECHNICAL DESCRIPTION

STF 3 data files have a record size of 31,700 characters divided into four record segments of 7,925 characters each. The first 300 characters of each segment contain geographic information.

## FILE AVAILABILITY

STF 3A and 3D files are provided for each State and the District of Columbia and are released on a State-by-State basis. STF 3B is available as four files, based on the first number of the ZIP Code. The four files are:

STF3B File S1—ZIP Codes beginning with 0, 1, or 2

STF3B File S2—ZIP Codes beginning with 3 or 4

STF3B File S3—ZIP Codes beginning with 5, 6, or 7

STF3B File S4—ZIP Codes beginning with 8 or 9

STF 3C file is available as a single file for the United States. All files and pricing information are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. (See above for phone and FAX information.) A machine-readable data dictionary is included on the tape without charge. Options include 6250 or 1600 bpi, ASCII or EBCDIC, labeled or unlabeled. The files are also available on tape cartridges (IBM 3480 compatible) for the same price. When ordering, please use the order form at the end of this chapter.

Files for the individual States are priced according to the number of megabytes of data they contain. The minimum charge for a computer tape or tape cartridge order is \$175 for one or more State files within a single file series (STF 3A, STF 3C and STF 3D).

# HOW TO USE THIS FILE

## CONTENTS

Appendixes .....	2-1
Count Corrections .....	2-2
Data Dictionary .....	2-1
Documentation Chapters .....	2-1
Internal File Labels .....	2-2
Record Identification .....	2-3
Record Segmentation .....	2-2
Special Area Codes .....	2-3
Standard Codes .....	2-4
State-Specific File Information .....	2-2
Summary-Level Sequence Charts and Geographic Area Component Codes .....	2-3
User Notes .....	2-1

This chapter serves as a guide for data users to both the tape and the technical documentation. Novice users trying to understand how to use the documentation and the file should read this chapter first.

## DOCUMENTATION CHAPTERS

The Abstract chapter in this documentation provides a quick overview of the file, including the formal title, geographic coverage, subject coverage, and file availability. Also shown are citations for related reference materials and printed reports. Their titles and geography are included in this section, along with purchasing information.

The Subject Locator is an aid to finding which tables provide the information needed. The List of Tables (Matrices) and the Table (Matrix) Outlines provide two types of presentations for the tables available in the file. The List of Tables (Matrices) has the table titles and universes.

The Table (Matrix) Outlines offer a detailed presentation of the tables. When reviewing the tables, remember that a colon (:) following an entry indicates the entry is a heading, not a data cell.

## USER NOTES

Information about file or documentation changes sometimes becomes available after the documentation has been printed. User notes inform the user community about these changes. These are issued in a numbered series. If there are technical documentation changes, revised pages usually accompany them. The revised pages should be inserted in their proper location, but the user note cover sheet should be filed in the User Notes chapter. Technical notes, which contain

file errata, are also issued by the Census Bureau. We suggest filing these following appendix I.

## DATA DICTIONARY

The data dictionary describes the file and provides character locations for each variable and each table. It has two elements, the identification section and the table (matrix) section.

In the identification section, the components include the field name; the data dictionary reference name, a short mnemonic for use with software packages; field size; starting position; and data type (alphabetic, numeric, or alphanumeric).

The identification section of the data dictionary is identical for all summary tape files. It provides a list of the geographic codes or refers the user to the appropriate source. Review the footnotes carefully; they provide explanations for various terms. These footnotes are listed at the end of the identification section of the data dictionary.

The table (matrix) section provides information on the table (matrix) number; table (matrix) description; number of implied decimals in each cell (if not 0); starting position within the record, within the segment, and for all cells within the first-level variable; and cell coordinates.

There also is a machine-readable data dictionary file on the data tape. This dictionary is designed to be converted for use with various software packages.

## APPENDIXES

Detailed information on geographic areas is in appendix A followed by subject-matter definitions in appendix B. Appendix C provides detailed statistical information about the data while appendix D outlines the data collection and processing procedures. Facsimiles of both the respondent instructions and 1990 census long-form questionnaire are in appendix E.

Appendix F furnishes detailed information on all the data products of the 1990 census, as well as suggested sources of information and assistance. Map information is included in appendix G. The record layout for the machine-readable data dictionary file that accompanies each tape order is in appendix H.

Appendix I contains the code lists used in processing the data. These are especially helpful in determining the components included in categories such as race or group quarters. These codes are used in conjunction with the table (matrix) outlines and data dictionary chapters. In the file presentation included in those chapters, some cell entries are followed by numeric

codes in parentheses. These are the codes included in that cell. For example, in a table including race, the entry for Asian or Pacific Islander is followed by (600-699, 976-985). The code list for race in appendix I identifies all the race codes included in the Asian or Pacific Islander category.

## COUNT CORRECTIONS

The Census Bureau issues population count corrections on an occasional basis. Count corrections for geography at the place level and above are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Count corrections for geography at the census tract/BSA level or below are available from Population Division, Bureau of the Census, Washington, DC 20233. When requesting these corrections, please include the desired census tract/BSA, block group, or block numbers.

## INTERNAL FILE LABELS

### System Labels

Tape orders which specify labeled tapes will have a standard American National Standards Institute (ANSI) label. The system label consists of 17 characters, but only the first 12 are active. The remaining five characters will be 'X' filled. The 1990 STF 3A, 3C, and 3D files have a Data Set Name (DSN) of STF3tXss.Fnnxxxx where t is A, C, or D depending on the file, ss is the United States Postal Service (USPS) State or United States abbreviation, and nn is a two-digit number with leading zeroes identifying the tape volume sequence. Tape orders which specify labeled tapes will have a standard American National Standards Institute (ANSI) label. The 1990 STF 3B files have a Data Set Name (DSN) of STF3BXss.Fnnxxxx, where ss is the ZIP Code file designator (S1, S2, S3, or S4), and nn is a two-digit number with leading zeroes identifying the tape volume sequence. (The "X", "F", and "x" in the DSN remain constant.)

### User Labels

Each user tape will have six user header labels and six user trailer labels. These labels combine information from the system label and the identification portion of the first and last record. These labels enable the user to quickly identify the beginning and ending records on each tape.

**User Header Labels**—The user header labels are designated UHL1 through UHL6. UHL1 and UHL2 repeat information from the system label in HDR1 and HDR2.

UHL3 and UHL4 contain information from the identification portion of the first record on the tape. UHL5 through UHL6 contain a statement regarding the data.

**User Trailer Labels**—The user trailer labels are designated UTL1 through UTL6. UTL1 and UTL2 contain information from the system trailer label. UTL3 and subsequent user trailer labels contain identification information from the last record on the tape. The unused portion of UTL6 is blank filled.

## STATE-SPECIFIC FILE INFORMATION

*State-specific file information, such as record counts, is not provided in the technical documentation. However, each tape order is accompanied by a tape creation sheet. This sheet provides the file name, file label (HDR1), the third user header label (UHL3), record size, block size, and record count. The third user header label for each reel identifies the geography for the first record on the reel. For example, the UHL3 at the beginning of each reel of a three-reel file for a State provides the geography for the first record. If the geography needed is on reel three, only reel three needs to be processed.*

The tape creation sheet received with the tape should be filed in the technical documentation notebook or with other tape information maintained by the user.

## RECORD SEGMENTATION

Logical records are divided into segments, each containing identification information and specific tables. The logical record has a record sequence number which is repeated in each segment. This is the logical record number which appears in position 19 of each segment. Following this, beginning in positions 25 and 29, are the logical record part number and the total number of parts in the record. By viewing these two fields together, the sequence of the segment and the total number of segments can be quickly determined. For example, 1 in the logical record part number field and 4 in the total number of parts in record field indicates that this is segment 1 of the 4 segments which comprise the logical record.

Each STF 3 logical record has a record size of 31,700 characters. The record is divided into 4 record segments of 7,925 characters with each segment having 300 characters of identification information followed by tables (matrices). The geographic information layout for each segment is identical to the identification information described for starting positions 1-300 of the data dictionary. The segmentation scheme is illustrated below.

Chart 1. Segmentation of STF3 Records

Segment 1		Segment 2	
Geographic Identification Information 300 characters	Tables P1-P38 7,925 chars including 2 characters filler	Geographic Identification Information 300 characters	Tables P38-P67 7,925 chars including 8 characters filler
Segment 3		Segment 4	
Geographic Identification Information 300 characters	Tables P67-P132 7,925 chars including 8 characters filler	Geographic Identification Information 300 characters	Tables P133-H92 7,925 chars including 35 characters filler

In all STF 3 files, table P38 is split across segments. There are 3 cells in the first segment and 5 cells in the second segment. The first segment has two characters of filler at the end of the segment, beginning in position 7924. Table P67 is split between segments 2 and 3. There are 105 cells of the table in segment 2 and 210 cells in segment 3. Segments 2 and 3 each have 8 characters of filler at the end, beginning in position 7918. Segment 4 has 35 filler characters at the end, beginning in position 7891.

## RECORD IDENTIFICATION

Each record on a summary tape file is uniquely identified by a combination of geographic (for example, State, county, and county subdivision), summary level, and geographic component codes. For example, if you have a Maryland STF 3A file and want to look at the summary record for Prince George's County, three identification fields must be checked: the summary level code for county records (050), the total record for geographic components (00), and the county code for Prince George's County (033). If all three fields are not checked, multiple records will be found. See the Summary Level Sequence Charts and Geographic Area Component Codes section below for information on identifying summary level and geographic component codes.

## SUMMARY LEVEL SEQUENCE CHARTS AND GEOGRAPHIC AREA COMPONENT CODES

The Summary Level Sequence Charts chapter and the geographic area component codes provide important information for using the 1990 census summary tape files.

The Summary Level Sequence Charts chapter for STF 3 files identifies the geographic levels for which data are provided. It is easy to determine this if you remember that the last geographic area type listed in the se-

quence identifies the geography of the summary level; the prior codes simply define the hierarchy. For example, in summary level 140, the hierarchy listed is State—county—census tract/block numbering area (BNA). The record actually contains data for a census tract/BNA within a given county and State.

When reading the Summary Level Sequence Charts chapter, it is important to recognize that dashes (—) separate the individual hierarchies while slashes (/) separate different types of geography within the same hierarchy.

After identifying the summary level code, turn to chart 2 at the end of this chapter to determine the geographic area codes and area characteristics provided on the tape for this summary level. Remember that an asterisk (\*) indicates a code in that field. The code may be one of the standard codes described below.

The Summary Level Sequence Charts chapter also provides geographic component code information. This code identifies the various geographic components for which the record is repeated within the summary level. These component codes are provided in the data dictionary beginning in position 14. For example, the Summary Level Sequence Chart for STF 3A indicates that the summary level for State records (040) has geographic component codes 00, 40, 42, 43, and 44. By turning to the geographic component variable in the data dictionary, you can determine that the tables for summary level 040 (State) are available for total geography (State) (geographic component=00), American Indian reservation and trust land (geographic component=40), tribal jurisdiction statistical area (geographic component=42), tribal designated statistical area (geographic component=43), and Alaska Native village statistical area (Alaska only) (geographic component=44).

In short, always check the geographic codes, the summary level (beginning in position 11 of the data dictionary), and the geographic component code (beginning in position 14 of the data dictionary) for complete identification of an STF 3 record.

## SPECIAL AREA CODES

Special area codes appear in the geographic area codes portion of the data dictionary (positions 142-171) on all STF's. The codes represented may vary across STF's. In STF 3 files, special area code (7) and special area code (9) are used. The codes are described below. Special area code (7) is used in summary levels 501, 510, 520, 530, 540, 550, 551, 552, and 560 in STF 3D. Special area code (9) is used in all summary levels except 800 and 820.

In STF 3B files only, Special Area Code 1 is used. It contains the 5-digit ZIP Code.

**Special area code (7)—Congressional District number  
(103rd Congress)**

00	One at large representative
01-45	Congressional district number
98	District of Columbia nonvoting delegate

**Special area code (9)—Land/water area**

1	Significant land, significant (0.0005 or more square kilometers) water
2	Significant land, minimal (less than 0.0005 square kilometer) water
3	Significant land, zero (0) water
4	Minimal land, significant water
5	Minimal land, minimal water
6	Minimal land, zero water
7	Zero land, significant water
8	Zero land, minimal water
9	Zero land, zero water

! Not available—The code would be shown except it had not been determined when the files were prepared (for example, metropolitan area code on a county summary level (050) on STF 1A).

9 Not in—This indicates a "remainder of" an area, such as a place code in the portion of a county subdivision not in a place, or the summary level is not part of any area to which the code field applies, such as a summary level which is not in an Alaska Native Regional Corporation.

Blank Not applicable—This indicates that the code is not applicable to the summary level.

Where these codes are specifically defined in the data dictionary, the defined code should be used. For example, in the division code description on the data dictionary (position 89), the code for the Pacific Division is indicated as "9." This "9" should be interpreted as the division code, not as "not in," the standard code for "9."

## STANDARD CODES

In the identification section of all STF's, there are standard codes, undefined in the data dictionary, that have identical meaning regardless of the field. The codes are the same size as the field; that is, a three-character field will have three symbols. These standard codes are listed below.

Summary level 501	Summary level 510	Summary level 520	Summary level 530	Summary level 540	Summary level 550	Summary level 551	Summary level 552	Summary level 560	Summary level 800	Summary level 820	Field Name
<b>Record Codes</b>											
*	*	*	*	*	*	*	*	*	*	*	File Identification
*	*	*	*	*	*	*	*	*	*	*	State/US-Abbreviation
*	*	*	*	*	*	*	*	*	*	*	Summary Level
*	*	*	*	*	*	*	*	*	*	*	Geographic Component
<hr/>											
*	*	*	*	*	*	*	*	*	*	*	Characteristic Iteration
*	*	*	*	*	*	*	*	*	*	*	Logical Record Number
*	*	*	*	*	*	*	*	*	*	*	Logical Record Part Number
*	*	*	*	*	*	*	*	*	*	*	Total Number of Parts in Record
<hr/>											
<b>Geographic Area Codes</b>											
								*			Alaska Native Regional Corporation
					*	*	*				American Indian/Alaska Native Area (Census)
					*	*	*				American Indian/Alaska Native Area (FIPS)
					*	*	*				American Indian/Alaska Native Area Class Code
<hr/>											
						*	*				American Indian Reservation Trust Land Indicator
											Block
											Block Group
											Census Tract/Block Numbering Area
<hr/>											
*	*	*	*	*	*	*	*	*	*	*	Congressional District
			*	*							Consolidated City (Census)
			*	*							Consolidated City (FIPS)
			*	*							Consolidated City Class Code
<hr/>											
			*	*							Consolidated City Size Code
	*	*								*	Consolidated Metropolitan Statistical Area
	*	*								*	County
	*	*								*	County Size Code
<hr/>											
		*									County Subdivision (Census)
		*									County Subdivision (FIPS)
		*									County Subdivision Class Code
		*									County Subdivision Size Code
<hr/>											
*	*	*	*	*	*	*	*	*	*	*	Division
			*								Extended City Indicator
											Internal Use Code
											Metropolitan Statistical Area/Consolidated
	*	*								*	Metropolitan Statistical Area
<hr/>											

**Chart 2. STF 3 File Identification by Summary Level<sup>1</sup>—Con.**

Field name	Summary level			Summary level			Summary level		
	340	341	400	410	420	430	440	450	460
<b>Geographic Area Codes—Con.</b>									
MSA/CMSA Size Code	*	*				*	*	*	
Place (Census)	*	*						*	*
Place (FIPS)	*	*						*	*
Place Class Code	*	*						*	*
Place Description Code	*	*						*	*
Place Size Code	*	*						*	*
Primary Metropolitan Statistical Area		*				*	*	*	
Region	*	*		*	*	*	*	*	*
State (Census)	*	*		*	*	*	*	*	*
State (FIPS)	*	*		*	*	*	*	*	*
Urban/Rural			*	*	*	*	*	*	*
Urbanized Area			*	*	*	*	*	*	*
Urbanized Area Size Code			*	*	*	*	*	*	*
Special Area Code (1)									
Special Area Code (2)									
Special Area Code (3)									
Special Area Code (4)									
Special Area Code (5)									
Special Area Code (6)									
Special Area Code (7)									
Special Area Code (8)									
Special Area Code (9)	*	*	*	*	*	*	*	*	*
Special Area Code (10)									
<b>Area Characteristics</b>									
Area (Land)	*	*	*	*	*	*	*	*	*
Area (Water)	*	*	*	*	*	*	*	*	*
Area Name/PSAD Term/Part Indicator	*	*	*	*	*	*	*	*	*
Functional Status Code	*	*	*	*	*	*	*	*	*
Geographic Change User Note Indicator	*	*		*		*	*	*	*
Housing Unit Count (100 percent)	*	*	*	*	*	*	*	*	*
Internal Point (Latitude)	*	*	*	*	*	*	*	*	*
Internal Point (Longitude)	*	*	*	*	*	*	*	*	*
Part Flag	*	*		*	*	*	*	*	*
Political/Statistical Area Description Code	*	*	*	*	*	*	*	*	*
Population Count (100 percent)	*	*	*	*	*	*	*	*	*
Special Flag	*	*	*	*	*	*	*	*	*

<sup>1</sup>See the Summary Level Sequence Charts chapter for identification of the summary level record numbers.

Summary level 501	Summary level 510	Summary level 520	Summary level 530	Summary level 540	Summary level 550	Summary level 551	Summary level 552	Summary level 560	Summary level 800	Summary level 820	Field Name
											<b>Geographic Area Codes—Con.</b>
	*	*									* MSA/CMSA Size Code
			*								Place (Census)
			*								Place (FIPS)
			*								Place Class Code
			*								Place Description Code
			*								Place Size Code
	*	*									* Primary Metropolitan Statistical Area
*	*	*	*	*	*	*	*	*			* Region
*	*	*	*	*	*	*	*	*			* State (Census)
*	*	*	*	*	*	*	*	*			* State (FIPS)
											Urban/Rural
											Urbanized Area
											Urbanized Area Size Code
									*	*	* Special Area Code (1)
											Special Area Code (2)
											Special Area Code (3)
											Special Area Code (4)
											Special Area Code (5)
*	*	*	*	*	*	*	*	*			Special Area Code (6)
											Special Area Code (7)
											Special Area Code (8)
*	*	*	*	*	*	*	*	*			Special Area Code (9)
											Special Area Code (10)
											<b>Area Characteristics</b>
*	*	*	*	*	*	*	*	*			Area (Land)
*	*	*	*	*	*	*	*	*			Area (Water)
*	*	*	*	*	*	*	*	*	*		* Area Name/PSAD Term/Part Indicator
*	*	*	*	*	*	*	*	*			* Functional Status Code
	*	*	*	*	*	*	*	*			Geographic Change User Note Indicator
*	*	*	*	*	*	*	*	*	*		Housing Unit Count (100 percent)
*	*	*	*	*	*	*	*	*			Internal Point (Latitude)
*	*	*	*	*	*	*	*	*			Internal Point (Longitude)
	*	*	*	*	*	*	*	*			* Part Flag
	*	*	*	*	*	*	*	*			* Political/Statistical Area Description Code
*	*	*	*	*	*	*	*	*	*		* Population Count (100 percent)
*	*	*	*	*	*	*	*	*	*		* Special Flag



**STF 3B**

<u>Summary level area</u>	<u>Summary level code</u>	<u>Geographic component code</u>
ZIP Code	800	00
ZIP Code—State—County	820	00