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TIGER5—Extraction of Geographic Information from the TIGER System

R. K. Gryder

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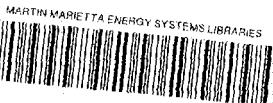
**TIGERS – EXTRACTION OF GEOGRAPHIC INFORMATION
FROM THE TIGER SYSTEM**

R. K. Gryder

March 1992

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under
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ABSTRACT

The need for geographic information in digital form is becoming apparent in many areas, including Emergency Response Planning and Management. The Bureau of Census recognized this need and developed an automated geographic data base, known as the Topologically Integrated Geographic Encoding and Referencing (TIGER) System, to produce the geographic products for the 1990 census. The Bureau makes the information available to the public on CD-ROM disks.

As distributed, the geographic information is not directly visible, and a program is needed to display the information in a graphic form. MapInfo is a commercially available program that has the capability to display maps and allows the user to perform certain geographic analyses. MapInfo runs on a variety of low-cost platforms that may be found in an average office environment, as well as on high-performance work stations.

The TIGERS program developed by the Emergency Management Information Systems (EMIS) project at Oak Ridge National Laboratory reads files directly from the Census Bureau TIGER/Line CD-ROM and creates MapInfo Exchange Format Files that can be directly imported into MapInfo. The standard default values for scaling parameters are used, and the resulting map is in the same coordinate system as the world and state maps distributed with MapInfo.

1. INTRODUCTION

The United States Department of the Army has a stockpile of chemical weapons at eight storage sites. The decision has been made to dispose of these weapons at each site. While the risk of an accidental release from these activities is very low, there is a small probability that some agent may escape and may endanger onpost personnel as well as the public. The Army's Chemical Stockpile Emergency Preparedness Program (CSEPP) has the responsibility to provide maximum protection to the environment, the general public, and the personnel involved in the destruction of the chemical agents. The Emergency Management Information System (EMIS) being developed to meet the needs of the CSEPP has a requirement for the display of information on maps. It is necessary to assess and communicate the threat to public safety for any scenario that could possibly result in the escape of an agent and endangerment of onpost personnel or the public.

The U.S. Department of Commerce Bureau of the Census developed an automated geographic database, known as the Topologically Integrated Geographic Encoding and Referencing (TIGER) System, to produce the geographic products for the 1990 census. The TIGER5 program developed by the EMIS project at Oak Ridge National Laboratory (ORNL) reads files directly from the Census Bureau TIGER/Line CD-ROM and creates MapInfo Exchange Format files that can be directly imported into a commercially available software package called MapInfo. The standard default values for scaling parameters are used, and the resulting map is in the same coordinate system as the world and state maps distributed with MapInfo. These maps may be augmented with the information from the Population and Housing Census data to provide the capability of performing geographic selection of areas and calculation of population statistics on those areas.

2. BACKGROUND

The U. S. Department of the Army proposes under the Chemical Stockpile Disposal Program (CSDP) to destroy the nation's total stockpile of lethal unitary chemical agents and munitions. In preparation for this activity, it is necessary to develop an EMIS to be used in the event of an accident or other emergency at a site. Information about population distribution, political boundaries, topographic features, risk and accident potential all create a situation in which options and alternatives are both needed and available.

ORNL prepared a Functional Specification and is developing a prototype for the EMIS. The need for geographic information in digital form is becoming apparent in many areas, including Emergency Response Planning and Management. Utilizing existing and available geographic information is a goal of the EMIS project.

TIGER provides coordinate-based digital map information for the entire United States, Puerto Rico, the U. S. Virgin Islands, and the Pacific territories over which the United States has jurisdiction.

The TIGER system has significantly improved the accuracy of 1990 census maps and geographic reference products. Extract files generated from the TIGER System permit users with appropriate software to perform such tasks as linking the statistical data in the 1990 Census of Population and Housing 1990: Public Law 94-171 Data files and displaying selected characteristics on maps or a video display screen at different scales and with whatever boundaries they select for any geographic area of the country. For example, a map for a particular county may be displayed showing the distribution of the voting age population by city block.

The Bureau makes the information available to the public on CD-ROM disks. As distributed, the geographic information is not directly visible, and a program is needed to display the

information in a graphic form. The objective of this effort was to provide a tool to utilize the geographic information available from the Census Bureau.

MapInfo is a commercially available program that permits the user to display geographic images to associate attributes with each image and to perform certain geographic analyses. MapInfo runs on a variety of low-cost platforms that may be found in a normal office environment, as well as on high-performance work stations. The TIGER5 program developed by the EMIS project at ORNL reads files directly from the Census Bureau TIGER/Line CD-ROM and creates MapInfo Exchange Format Files that can be directly imported into MapInfo.

MapInfo is available from Mapping Information Systems Corporation, Hendrick Hudson Building, 200 Broadway, Troy, New York 12180.

3. TIGER5 PROGRAM OPERATION

TIGER5 converts information from the TIGER/Line CD-ROMs one county at a time. The user must provide the FIPS CODE for the state and county of interest, and TIGER5 then converts the information from that county into the MapInfo format. A list of the State and County FIPS codes is in Appendix A.

The TIGER/Line CD-ROMs contain a series of Census Feature Class Codes (CFCC) that provide detailed information on the classification of the line segment, such as class of road, class of stream, and so forth. A list of these codes is provided in Appendix B.

TIGER5 creates five different MapInfo layers, based on the CFCC of the segments in the TIGER/Line file.

1. TIGER line segments with a CFCC beginning with the letter "H" are hydrologic features and are stored in a layer designated as WATxxxxy, where xx is the Federal Information Processing Standard (FIPS) code for the state and yy is the FIPS code for the county. The water layer is drawn with thin dashed blue lines.
2. All TIGER segments with a CFCC beginning with the letter "B" are railroad features and are stored in a layer named RLSxxxxy. The railroad layer is drawn with thick dashed red lines.
3. Segments beginning with "A1" are federal highways and are combined with segments with a CFCC beginning with "A2" (state highways) to form the layer HWYxxxxy. This layer is drawn with thick solid black lines.

4. All other segments with CFCC beginning with the letter "A" are grouped into a layer named STRxxyyy, for streets. This segment is drawn in thin solid black lines.

5. All other segments in the TIGER file are grouped into a layer named OTHxxyyy (for Other) and are drawn in thin dashed green lines.

The layers are summarized in Table 1.

Table 1. MapInfo Layers Produced by TIGER5

LAYER		LINE		
Code	Feature	Width	Type	Color
WAT	Water	thin	dashed	blue
HWY	Highways	thick	continuous	black
STR	Streets	thin	continuous	black
RLS	Railroads	thick	continuous	red
OTH	Other features	thin	dashed	green

For each layer, two files are created by TIGER5. These files are lllxxxyy.MIF and lllxxxyy.MID (where lll indicates the layer code) and contain the graphic and tabular data, respectively.

TIGER5 copies all of the attribute data for each segment into the MapInfo table associated with the segments. Appendix C gives a description of each of the attributes.

4. USE OF THE FILES PRODUCED BY TIGERS

The files produced by TIGER5 for each layer of information must be imported into MapInfo. Run MapInfo and perform IMPORT (from the TABLE menu). Once the import process is complete, the table will be "mappable" - meaning that through use of the OPEN command (from the FILE menu) and the MAP command (from the WINDOW menu), you will be able to see the data displayed as a map. The INFO tool may then be used to display the attributes of each object.

Steps necessary to import a file into MapInfo are as follows.

- Pick IMPORT from the TABLE menu.
- In the dialogue which appears, pick the file you want to import. Click OK.
- MapInfo will prompt you for Map Coordinate Information. The default settings are the appropriate settings.
- Finally, you will be asked to select the name and table format of the table to create. Select a name and a format and click on Save. MapInfo will display a dialogue which informs you about the status of the Import.

Additional changes may be made to the files utilizing the MapInfo editing capability.

5. LINKING TO POPULATION AND HOUSING DATA

Census of Population and Housing 1990: Public Law 94-171 Data are available at summary level from the Bureau of the Census on CD-ROM. These data are in dBase file format and may be queried and extracted utilizing a dBase-compatible program. Among the columns of data available are the coordinates of an interior point in each summary level area.

If the Population and Housing Data are extracted at the lowest level of summarization (Census Block level), then the data may be correlated with the imported maps through the CREATE POINTS option of the MapInfo TABLE menu. The boundaries of the census blocks are clearly visible on the maps produced by the TIGERS5 data.

Some (e.g., Colorado and Tennessee), but not all, of the P.L. 94-171 CD-ROMs also include a program called EXTRACT that performs extraction of information at the desired summary level and builds either text files or dBase files. EXTRACT permits the user to select the geographic area of concern, the summary level of data, the format of the output file, and the columns from the table to be included in the output file. The columns POP100, which contains the total population, and HOU100, which contains the total number of households, are the interesting fields. In addition to these, it is necessary to extract the coordinates of the internal points in order to associate the population figures with the map.

6. TECHNICAL INFORMATION

TIGER5 is a FORTRAN program compiled and executed on an Apple Macintosh IIcx computer utilizing MACTRAN PLUS FORTRAN Development System from DCM Data Products of Fort Worth, Texas. A similar program runs on IBM PC compatible computers using RM/FORTRAN, available from Liant Software Corporation, 959 Concord Street, Framingham, MA 01701.

A listing of the TIGER5 source program is included in Appendix D. The TIGER5 source may be easily edited and recompiled to provide additional features, such as selecting only a subset of the attributes, creating more or different layers, restricting the selection of objects, or producing a different format of output file for import into other programs. The basic structure of the program and the internal comments provide adequate documentation for a FORTRAN programmer to understand its operation.

7. CONCLUSIONS

The EMIS will be heavily dependent on geographic and population information to evaluate risks, to plan evacuations, and to communicate among the parties involved. The TIGER/Line and Population information provided by the Census Bureau provides a readily available and economically advantageous source for the needed geographic and population information. The program documented in this report provides a means for utilizing the information provided by the Census Bureau.

REFERENCES

1. Census of Population and Housing. Public Law (P.L.) 94-171 Data Technical Documentation. Prepared by the Bureau of the Census. Washington: The Bureau, 1991.
2. Functional Specifications for the CSEPP Automated Emergency Management Information System (Draft). Prepared by Oak Ridge National Laboratory for the Automation Subcommittee, Chemical Stockpile Emergency Preparedness Program. Oak Ridge, Tennessee: ORNL, September 1991.
3. TIGER/Line Census Files. Technical Documentation. Prepared by the Bureau of the Census. Washington: The Bureau, 1991.

APPENDIX A
FIPS STATE AND COUNY CODES

APPENDIX A
FIPS STATE AND COUNTY CODES

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
01		Alabama	01	073	Jefferson County
01	001	Autauga County	01	075	Lamar County
01	003	Baldwin County	01	077	Lauderdale County
01	005	Barbour County	01	079	Lawrence County
01	007	Bibb County	01	081	Lee County
01	009	Blount County	01	083	Limestone County
01	011	Bullock County	01	085	Lowndes County
01	013	Butler County	01	087	Macon County
01	015	Calhoun County	01	089	Madison County
01	017	Chambers County	01	091	Marengo County
01	019	Cherokee County	01	093	Marion County
01	021	Chilton County	01	095	Marshall County
01	023	Choctaw County	01	097	Mobile County
01	025	Clarke County	01	099	Monroe County
01	027	Clay County	01	101	Montgomery County
01	029	Cleburne County	01	103	Morgan County
01	031	Coffee County	01	105	Perry County
01	033	Colbert County	01	107	Pickens County
01	035	Conecuh County	01	109	Pike County
01	037	Coosa County	01	111	Randolph County
01	039	Covington County	01	113	Russell County
01	041	Crenshaw County	01	115	St. Clair County
01	043	Cullman County	01	117	Shelby County
01	045	Dale County	01	119	Sumter County
01	047	Dallas County	01	121	Talladega County
01	049	DeKalb County	01	123	Tallapoosa County
01	051	Elmore County	01	125	Tuscaloosa County
01	053	Escambia County	01	127	Walker County
01	055	Etowah County	01	129	Washington County
01	057	Fayette County	01	131	Wilcox County
01	059	Franklin County	01	133	Winston County
01	061	Geneva County	02		Alaska
01	063	Greene County	02	013	Aleutians East Borough
01	065	Hale County	02	016	Aleutians West Census Area
01	067	Henry County	02	020	Anchorage Borough
01	069	Houston County			
01	071	Jackson County			

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
02	050	Bethel Census Area	04	019	Pima County
02	060	Bristol Bay Borough	04	021	Pinal County
02	070	Dillingham Census Area	04	023	Santa Cruz County
02	090	Fairbanks North Star Borough	04	025	Yavapai County
02	100	Haines Borough	04	027	Yuma County
02	110	Juneau Borough	05		Arkansas
02	122	Kenai Peninsula Borough	05	001	Arkansas County
02	130	Ketchikan Gateway Borough	05	003	Ashley County
02	150	Kodiak Island Borough	05	005	Baxter County
02	164	Lake and Peninsula Borough	05	007	Benton County
02	170	Matanuska-Susitna Borough	05	009	Boone County
02	180	Nome Census Area	05	011	Bradley County
02	185	North Slope Borough	05	013	Calhoun County
02	188	Northwest Arctic Borough	05	015	Carroll County
02	201	Prince of Wales-Outer Ketchikan Census Area	05	017	Chicot County
02	220	Sitka Borough	05	019	Clark County
02	231	Skagway-Yukutat-Angoon Census Area	05	021	Clay County
02	240	Southeast Fairbanks Census Area	05	023	Cleburne County
02	261	Valdez-Cordova Census Area	05	025	Cleveland County
02	270	Wade Hampton Census Area	05	027	Columbia County
02	280	Wrangell-Petersburg Census Area	05	029	Conway County
02	290	Yukon-Koyukuk Census Area	05	031	Craighead County
04		Arizona	05	033	Crawford County
04	001	Apache County	05	035	Crittenden County
04	003	Cochise County	05	037	Cross County
04	005	Coconino County	05	039	Dallas County
04	007	Gila County	05	041	Desha County
04	009	Graham County	05	043	Drew County
04	011	Greenlee County	05	045	Faulkner County
04	012	La Paz County	05	047	Franklin County
04	013	Maricopa County	05	049	Fulton County
04	015	Mohave County	05	051	Garland County
04	017	Navajo County	05	053	Grant County
04			05	055	Greene County
04			05	057	Hempstead County
04			05	059	Hot Spring County
04			05	061	Howard County
04			05	063	Independence County
04			05	065	Izard County
04			05	067	Jackson County
04			05	069	Jefferson County
04			05	071	Johnson County
04			05	073	Lafayette County
04			05	075	Lawrence County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
05	077	Lee County	06	013	Contra Costa County
05	079	Lincoln County	06	015	Del Norte County
05	081	Little River County	06	017	El Dorado County
05	083	Logan County	06	019	Fresno County
05	085	Lonoke County	06	021	Glenn County
05	087	Madison County	06	023	Humboldt County
05	089	Marion County	06	025	Imperial County
05	091	Miller County	06	027	Inyo County
05	093	Mississippi County	06	029	Kern County
05	095	Monroe County	06	031	Kings County
05	097	Montgomery County	06	033	Lake County
05	099	Nevada County	06	035	Lassen County
05	101	Newton County	06	037	Los Angeles County
05	103	Ouachita County	06	039	Madera County
05	105	Perry County	06	041	Marin County
05	107	Phillips County	06	043	Mariposa County
05	109	Pike County	06	045	Mendocino County
05	111	Poinsett County	06	047	Merced County
05	113	Polk County	06	049	Modoc County
05	115	Pope County	06	051	Mono County
05	117	Prairie County	06	053	Monterey County
05	119	Pulaski County	06	055	Napa County
05	121	Randolph County	06	057	Nevada County
05	123	St. Francis County	06	059	Orange County
05	125	Saline County	06	061	Placer County
05	127	Scott County	06	063	Plumas County
05	129	Searcy County	06	065	Riverside County
05	131	Sebastian County	06	067	Sacramento County
05	133	Sevier County	06	069	San Benito County
05	135	Sharp County	06	071	San Bernardino County
05	137	Stone County	06	073	San Diego County
05	139	Union County	06	075	San Francisco County
05	141	Van Buren County	06	077	San Joaquin County
05	143	Washington County	06	079	San Luis Obispo County
05	145	White County	06	081	San Mateo County
05	147	Woodruff County	06	083	Santa Barbara County
05	149	Yell County	06	085	Santa Clara County
			06	087	Santa Cruz County
06		California	06	089	Shasta County
06	001	Alameda County	06	091	Sierra County
06	003	Alpine County	06	093	Siskiyou County
06	005	Amador County	06	095	Solano County
06	007	Butte County	06	097	Sonoma County
06	009	Calaveras County	06	099	Stanislaus County
06	011	Colusa County	06	101	Sutter County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
06	103	Tehama County	08	073	Lincoln County
06	105	Trinity County	08	075	Logan County
06	107	Tulare County	08	077	Mesa County
06	109	Tuolumne County	08	079	Mineral County
06	111	Ventura County	08	081	Moffat County
06	113	Yolo County	08	083	Montezuma County
06	115	Yuba County	08	085	Montrose County
			08	087	Morgan County
08		Colorado	08	089	Otero County
08	001	Adams County	08	091	Ouray County
08	003	Alamosa County	08	093	Park County
08	005	Arapahoe County	08	095	Phillips County
08	007	Archuleta County	08	097	Pitkin County
08	009	Baca County	08	099	Prowers County
08	011	Bent County	08	101	Pueblo County
08	013	Boulder County	08	103	Rio Blanco County
08	015	Chaffee County	08	105	Rio Grande County
08	017	Cheyenne County	08	107	Routt County
08	019	Clear Creek County	08	109	Saguache County
08	021	Conejos County	08	111	San Juan County
08	023	Costilla County	08	113	San Miguel County
08	025	Crowley County	08	115	Sedgwick County
08	027	Custer County	08	117	Summit County
08	029	Delta County	08	119	Teller County
08	031	Denver County	08	121	Washington County
08	033	Dolores County	08	123	Weld County
08	035	Douglas County	08	125	Yuma County
08	037	Eagle County	09		Connecticut
08	039	Elbert County	09	001	Fairfield County
08	041	El Paso County	09	003	Hartford County
08	043	Fremont County	09	005	Litchfield County
08	045	Garfield County	09	007	Middlesex County
08	047	Gilpin County	09	009	New Haven County
08	049	Grand County	09	011	New London County
08	051	Gunnison County	09	013	Tolland County
08	053	Hinsdale County	09	015	Windham County
08	055	Huerfano County	10		Delaware
08	057	Jackson County	10	001	Kent County
08	059	Jefferson County	10	003	New Castle County
08	061	Kiowa County	10	005	Sussex County
08	063	Kit Carson County	11		District of Columbia
08	065	Lake County	11	001	District of Columbia
08	067	La Plata County			
08	069	Larimer County			
08	071	Las Animas County			

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
12		Florida	12	089	Nassau County
12	001	Alachua County	12	091	Okaloosa County
12	003	Baker County	12	093	Okeechobee County
12	005	Bay County	12	095	Orange County
12	007	Bradford County	12	097	Osceola County
12	009	Brevard County	12	099	Palm Beach County
12	011	Broward County	12	101	Pasco County
12	013	Calhoun County	12	103	Pinellas County
12	015	Charlotte County	12	105	Polk County
12	017	Citrus County	12	107	Putnam County
12	019	Clay County	12	109	St. Johns County
12	021	Collier County	12	111	St. Lucie County
12	023	Columbia County	12	113	Santa Rosa County
12	025	Dade County	12	115	Sarasota County
12	027	DeSoto County	12	117	Seminole County
12	029	Dixie County	12	119	Sumter County
12	031	Duval County	12	121	Suwannee County
12	033	Escambia County	12	123	Taylor County
12	035	Flagler County	12	125	Union County
12	037	Franklin County	12	127	Volusia County
12	039	Gadsden County	12	129	Wakulla County
12	041	Gilchrist County	12	131	Walton County
12	043	Glades County	12	133	Washington County
12	045	Gulf County			
12	047	Hamilton County	13		Georgia
12	049	Hardee County	13	001	Appling County
12	051	Hendry County	13	003	Atkinson County
12	053	Hernando County	13	005	Bacon County
12	055	Highlands County	13	007	Baker County
12	057	Hillsborough County	13	009	Baldwin County
12	059	Holmes County	13	011	Banks County
12	061	Indian River County	13	013	Barrow County
12	063	Jackson County	13	015	Bartow County
12	065	Jefferson County	13	017	Ben Hill County
12	067	Lafayette County	13	019	Berrien County
12	069	Lake County	13	021	Bibb County
12	071	Lee County	13	023	Bleckley County
12	073	Leon County	13	025	Brantley County
12	075	Levy County	13	027	Brooks County
12	077	Liberty County	13	029	Bryan County
12	079	Madison County	13	031	Bulloch County
12	081	Manatee County	13	033	Burke County
12	083	Marion County	13	035	Butts County
12	085	Martin County	13	037	Calhoun County
12	087	Monroe County	13	039	Camden County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
13	043	Candler County	13	133	Greene County
13	045	Carroll County	13	135	Gwinnett County
13	047	Catoosa County	13	137	Habersham County
13	049	Charlton County	13	139	Hall County
13	051	Chatham County	13	141	Hancock County
13	053	Chattahoochee County	13	143	Haralson County
13	055	Chattooga County	13	145	Harris County
13	057	Cherokee County	13	147	Hart County
13	059	Clarke County	13	149	Heard County
13	061	Clay County	13	151	Henry County
13	063	Clayton County	13	153	Houston County
13	065	Clinch County	13	155	Irwin County
13	067	Cobb County	13	157	Jackson County
13	069	Coffee County	13	159	Jasper County
13	071	Colquitt County	13	161	Jeff Davis County
13	073	Columbia County	13	163	Jefferson County
13	075	Cook County	13	165	Jenkins County
13	077	Coweta County	13	167	Johnson County
13	079	Crawford County	13	169	Jones County
13	081	Crisp County	13	171	Lamar County
13	083	Dade County	13	173	Lanier County
13	085	Dawson County	13	175	Laurens County
13	087	Decatur County	13	177	Lee County
13	089	DeKalb County	13	179	Liberty County
13	091	Dodge County	13	181	Lincoln County
13	093	Dooly County	13	183	Long County
13	095	Dougherty County	13	185	Lowndes County
13	097	Douglas County	13	187	Lumpkin County
13	099	Early County	13	189	McDuffie County
13	101	Echols County	13	191	McIntosh County
13	103	Effingham County	13	193	Macon County
13	105	Elbert County	13	195	Madison County
13	107	Emanuel County	13	197	Marion County
13	109	Evans County	13	199	Meriwether County
13	111	Fannin County	13	201	Miller County
13	113	Fayette County	13	205	Mitchell County
13	115	Floyd County	13	207	Monroe County
13	117	Forsyth County	13	209	Montgomery County
13	119	Franklin County	13	211	Morgan County
13	121	Fulton County	13	213	Murray County
13	123	Gilmer County	13	215	Muscogee County
13	125	Glascok County	13	217	Newton County
13	127	Glynn County	13	219	Oconee County
13	129	Gordon County	13	221	Oglethorpe County
13	131	Grady County	13	223	Paulding County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
13	225	Peach County	13	315	Wilcox County
13	227	Pickens County	13	317	Wilkes County
13	229	Pierce County	13	319	Wilkinson County
13	231	Pike County	13	321	Worth County
13	233	Polk County			
13	235	Pulaski County	15		Hawaii
13	237	Putnam County	15	001	Hawaii County
13	239	Quitman County	15	003	Honolulu County
13	241	Rabun County	15	005	Kalawao County
13	243	Randolph County	15	007	Kauai County
13	245	Richmond County	15	009	Maui County
13	247	Rockdale County			
13	249	Schley County	16		Idaho
13	251	Screven County	16	001	Ada County
13	253	Seminole County	16	003	Adams County
13	255	Spalding County	16	005	Bannock County
13	257	Stephens County	16	007	Bear Lake County
13	259	Stewart County	16	009	Benewah County
13	261	Sumter County	16	011	Bingham County
13	263	Talbot County	16	013	Blaine County
13	265	Taliaferro County	16	015	Boise County
13	267	Tattnall County	16	017	Bonner County
13	269	Taylor County	16	019	Bonneville County
13	271	Telfair County	16	021	Boundary County
13	273	Terrell County	16	023	Butte County
13	275	Thomas County	16	025	Camas County
13	277	Tift County	16	027	Canyon County
13	279	Toombs County	16	029	Caribou County
13	281	Towns County	16	031	Cassia County
13	283	Treutlen County	16	033	Clark County
13	285	Troup County	16	035	Clearwater County
13	287	Turner County	16	037	Custer County
13	289	Twiggs County	16	039	Elmore County
13	291	Union County	16	041	Franklin County
13	293	Upson County	16	043	Fremont County
13	295	Walker County	16	045	Gem County
13	297	Walton County	16	047	Gooding County
13	299	Ware County	16	049	Idaho County
13	301	Warren County	16	051	Jefferson County
13	303	Washington County	16	053	Jerome County
13	305	Wayne County	16	055	Kootenai County
13	307	Webster County	16	057	Latah County
13	309	Wheeler County	16	059	Lemhi County
13	311	White County	16	061	Lewis County
13	313	Whitfield County	16	063	Lincoln County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
16	065	Madison County	17	063	Grundy County
16	067	Minidoka County	17	065	Hamilton County
16	069	Nez Perce County	17	067	Hancock County
16	071	Oneida County	17	069	Hardin County
16	073	Owyhee County	17	071	Henderson County
16	075	Payette County	17	073	Henry County
16	077	Power County	17	075	Iroquois County
16	079	Shoshone County	17	077	Jackson County
16	081	Teton County	17	079	Jasper County
16	083	Twin Falls County	17	081	Jefferson County
16	085	Valley County	17	083	Jersey County
16	087	Washington County	17	085	Jo Daviess County
			17	087	Johnson County
17		Illinois	17	089	Kane County
17	001	Adams County	17	091	Kankakee County
17	003	Alexander County	17	093	Kendall County
17	005	Bond County	17	095	Knox County
17	007	Boone County	17	097	Lake County
17	009	Brown County	17	099	La Salle County
17	011	Bureau County	17	101	Lawrence County
17	013	Calhoun County	17	103	Lee County
17	015	Carroll County	17	105	Livingston County
17	017	Cass County	17	107	Logan County
17	019	Champaign County	17	109	McDonough County
17	021	Christian County	17	111	McHenry County
17	023	Clark County	17	113	McLean County
17	025	Clay County	17	115	Macon County
17	027	Clinton County	17	117	Macoupin County
17	029	Coles County	17	119	Madison County
17	031	Cook County	17	121	Marion County
17	033	Crawford County	17	123	Marshall County
17	035	Cumberland County	17	125	Mason County
17	037	DeKalb County	17	127	Massac County
17	039	De Witt County	17	129	Menard County
17	041	Douglas County	17	131	Mercer County
17	043	DuPage County	17	133	Monroe County
17	045	Edgar County	17	135	Montgomery County
17	047	Edwards County	17	137	Morgan County
17	049	Effingham County	17	139	Moultrie County
17	051	Fayette County	17	141	Ogle County
17	053	Ford County	17	143	Peoria County
17	055	Franklin County	17	145	Perry County
17	057	Fulton County	17	147	Piatt County
17	059	Gallatin County	17	149	Pike County
17	061	Greene County	17	151	Pope County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
17	153	Pulaski County	18	035	Delaware County
17	155	Putnam County	18	037	Dubois County
17	157	Randolph County	18	039	Elkhart County
17	159	Richland County	18	041	Fayette County
17	161	Rock Island County	18	043	Floyd County
17	163	St. Clair County	18	045	Fountain County
17	165	Saline County	18	047	Franklin County
17	167	Sangamon County	18	049	Fulton County
17	169	Schuyler County	18	051	Gibson County
17	171	Scott County	18	053	Grant County
17	173	Shelby County	18	055	Greene County
17	175	Stark County	18	057	Hamilton County
17	177	Stephenson County	18	059	Hancock County
17	179	Tazewell County	18	061	Harrison County
17	181	Union County	18	063	Hendricks County
17	183	Vermilion County	18	065	Henry County
17	185	Wabash County	18	067	Howard County
17	187	Warren County	18	069	Huntington County
17	189	Washington County	18	071	Jackson County
17	191	Wayne County	18	073	Jasper County
17	193	White County	18	075	Jay County
17	195	Whiteside County	18	077	Jefferson County
17	197	Will County	18	079	Jennings County
17	199	Williamson County	18	081	Johnson County
17	201	Winnebago County	18	083	Knox County
17	203	Woodford County	18	085	Kosciusko County
			18	087	Lagrange County
18		Indiana	18	089	Lake County
18	001	Adams County	18	091	La Porte County
18	003	Allen County	18	093	Lawrence County
18	005	Bartholomew County	18	095	Madison County
18	007	Benton County	18	097	Marion County
18	009	Blackford County	18	099	Marshall County
18	011	Boone County	18	101	Martin County
18	013	Brown County	18	103	Miami County
18	015	Carroll County	18	105	Monroe County
18	017	Cass County	18	107	Montgomery County
18	019	Clark County	18	109	Morgan County
18	021	Clay County	18	111	Newton County
18	023	Clinton County	18	113	Noble County
18	025	Crawford County	18	115	Ohio County
18	027	Daviess County	18	117	Orange County
18	029	Dearborn County	18	119	Owen County
18	031	Decatur County	18	121	Parke County
18	033	De Kalb County	18	123	Perry County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
18	125	Pike County	19	027	Carroll County
18	127	Porter County	19	029	Cass County
18	129	Posey County	19	031	Cedar County
18	131	Pulaski County	19	033	Cerro Gordo County
18	133	Putnam County	19	035	Cherokee County
18	135	Randolph County	19	037	Chickasaw County
18	137	Ripley County	19	039	Clarke County
18	139	Rush County	19	041	Clay County
18	141	St. Joseph County	19	043	Clayton County
18	143	Scott County	19	045	Clinton County
18	145	Shelby County	19	047	Crawford County
18	147	Spencer County	19	049	Dallas County
18	149	Starke County	19	051	Davis County
18	151	Steuben County	19	053	Decatur County
18	153	Sullivan County	19	055	Delaware County
18	155	Switzerland County	19	057	Des Moines County
18	157	Tippecanoe County	19	059	Dickinson County
18	159	Tipton County	19	061	Dubuque County
18	161	Union County	19	063	Emmet County
18	163	Vanderburgh County	19	065	Fayette County
18	165	Vermillion County	19	067	Floyd County
18	167	Vigo County	19	069	Franklin County
18	169	Wabash County	19	071	Fremont County
18	171	Warren County	19	073	Greene County
18	173	Warrick County	19	075	Grundy County
18	175	Washington County	19	077	Guthrie County
18	177	Wayne County	19	079	Hamilton County
18	179	Wells County	19	081	Hancock County
18	181	White County	19	083	Hardin County
18	183	Whitley County	19	085	Harrison County
			19	087	Henry County
19		Iowa	19	089	Howard County
19	001	Adair County	19	091	Humboldt County
19	003	Adams County	19	093	Ida County
19	005	Allamakee County	19	095	Iowa County
19	007	Appanoose County	19	097	Jackson County
19	009	Audubon County	19	099	Jasper County
19	011	Benton County	19	101	Jefferson County
19	013	Black Hawk County	19	103	Johnson County
19	015	Boone County	19	105	Jones County
19	017	Bremer County	19	107	Keokuk County
19	019	Buchanan County	19	109	Kossuth County
19	021	Buena Vista County	19	111	Lee County
19	023	Butler County	19	113	Linn County
19	025	Calhoun County	19	115	Louisa County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
19	117	Lucas County	20	005	Atchison County
19	119	Lyon County	20	007	Barber County
19	121	Madison County	20	009	Barton County
19	123	Mahaska County	20	011	Bourbon County
19	125	Marion County	20	013	Brown County
19	127	Marshall County	20	015	Butler County
19	129	Mills County	20	017	Chase County
19	131	Mitchell County	20	019	Chautauqua County
19	133	Monona County	20	021	Cherokee County
19	135	Monroe County	20	023	Cheyenne County
19	137	Montgomery County	20	025	Clark County
19	139	Muscatine County	20	027	Clay County
19	141	O'Brien County	20	029	Cloud County
19	143	Osceola County	20	031	Coffey County
19	145	Page County	20	033	Comanche County
19	147	Palo Alto County	20	035	Cowley County
19	149	Plymouth County	20	037	Crawford County
19	151	Pocahontas County	20	039	Decatur County
19	153	Polk County	20	041	Dickinson County
19	155	Pottawattamie County	20	043	Doniphan County
19	157	Poweshiek County	20	045	Douglas County
19	159	Ringgold County	20	047	Edwards County
19	161	Sac County	20	049	Elk County
19	163	Scott County	20	051	Ellis County
19	165	Shelby County	20	053	Ellsworth County
19	167	Sioux County	20	055	Finney County
19	169	Story County	20	057	Ford County
19	171	Tama County	20	059	Franklin County
19	173	Taylor County	20	061	Geary County
19	175	Union County	20	063	Gove County
19	177	Van Buren County	20	065	Graham County
19	179	Wapello County	20	067	Grant County
19	181	Warren County	20	069	Gray County
19	183	Washington County	20	071	Greeley County
19	185	Wayne County	20	073	Greenwood County
19	187	Webster County	20	075	Hamilton County
19	189	Winnebago County	20	077	Harper County
19	191	Winneshiek County	20	079	Harvey County
19	193	Woodbury County	20	081	Haskell County
19	195	Worth County	20	083	Hodgeman County
19	197	Wright County	20	085	Jackson County
			20	087	Jefferson County
20		Kansas	20	089	Jewell County
20	001	Allen County	20	091	Johnson County
20	003	Anderson County	20	093	Kearny County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
20	095	Kingman County	20	185	Stafford County
20	097	Kiowa County	20	187	Stanton County
20	099	Labette County	20	189	Stevens County
20	101	Lane County	20	191	Sumner County
20	103	Leavenworth County	20	193	Thomas County
20	105	Lincoln County	20	195	Trego County
20	107	Linn County	20	197	Wabaunsee County
20	109	Logan County	20	199	Wallace County
20	111	Lyon County	20	201	Washington County
20	113	McPherson County	20	203	Wichita County
20	115	Marion County	20	205	Wilson County
20	117	Marshall County	20	207	Woodson County
20	119	Meade County	20	209	Wyandotte County
20	121	Miami County			
20	123	Mitchell County	21		Kentucky
20	125	Montgomery County	21	001	Adair County
20	127	Morris County	21	003	Allen County
20	129	Morton County	21	005	Anderson County
20	131	Nemaha County	21	007	Ballard County
20	133	Neosho County	21	009	Barren County
20	135	Ness County	21	011	Bath County
20	137	Norton County	21	013	Bell County
20	139	Osage County	21	015	Boone County
20	141	Osborne County	21	017	Bourbon County
20	143	Ottawa County	21	019	Boyd County
20	145	Pawnee County	21	021	Boyle County
20	147	Phillips County	21	023	Bracken County
20	149	Pottawatomie County	21	025	Breathitt County
20	151	Pratt County	21	027	Breckinridge County
20	153	Rawlins County	21	029	Bullitt County
20	155	Reno County	21	031	Butler County
20	157	Republic County	21	033	Caldwell County
20	159	Rice County	21	035	Calloway County
20	161	Riley County	21	037	Campbell County
20	163	Rooks County	21	039	Carlisle County
20	165	Rush County	21	041	Carroll County
20	167	Russell County	21	043	Carter County
20	169	Saline County	21	045	Casey County
20	171	Scott County	21	047	Christian County
20	173	Sedgwick County	21	049	Clark County
20	175	Seward County	21	051	Clay County
20	177	Shawnee County	21	053	Clinton County
20	179	Sheridan County	21	055	Crittenden County
20	181	Sherman County	21	057	Cumberland County
20	183	Smith County	21	059	Daviess County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
21	061	Edmonson County	21	151	Madison County
21	063	Elliott County	21	153	Magoffin County
21	065	Estill County	21	155	Marion County
21	067	Fayette County	21	157	Marshall County
21	069	Fleming County	21	159	Martin County
21	071	Floyd County	21	161	Mason County
21	073	Franklin County	21	163	Meade County
21	075	Fulton County	21	165	Menifee County
21	077	Gallatin County	21	167	Mercer County
21	079	Garrard County	21	169	Metcalfe County
21	081	Grant County	21	171	Monroe County
21	083	Graves County	21	173	Montgomery County
21	085	Grayson County	21	175	Morgan County
21	087	Green County	21	177	Muhlenberg County
21	089	Greenup County	21	179	Nelson County
21	091	Hancock County	21	181	Nicholas County
21	093	Hardin County	21	183	Ohio County
21	095	Harlan County	21	185	Oldham County
21	097	Harrison County	21	187	Owen County
21	099	Hart County	21	189	Owsley County
21	101	Henderson County	21	191	Pendleton County
21	103	Henry County	21	193	Perry County
21	105	Hickman County	21	195	Pike County
21	107	Hopkins County	21	197	Powell County
21	109	Jackson County	21	199	Pulaski County
21	111	Jefferson County	21	201	Robertson County
21	113	Jessamine County	21	203	Rockcastle County
21	115	Johnson County	21	205	Rowan County
21	117	Kenton County	21	207	Russell County
21	119	Knott County	21	209	Scott County
21	121	Knox County	21	211	Shelby County
21	123	Larue County	21	213	Simpson County
21	125	Laurel County	21	215	Spencer County
21	127	Lawrence County	21	217	Taylor County
21	129	Lee County	21	219	Todd County
21	131	Leslie County	21	221	Trigg County
21	133	Letcher County	21	223	Trimble County
21	135	Lewis County	21	225	Union County
21	137	Lincoln County	21	227	Warren County
21	139	Livingston County	21	229	Washington County
21	141	Logan County	21	231	Wayne County
21	143	Lyon County	21	233	Webster County
21	145	McCracken County	21	235	Whitley County
21	147	McCreary County	21	237	Wolfe County
21	149	McLean County	21	239	Woodford County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
22		Louisiana	22	089	St. Charles Parish
22	001	Acadia Parish	22	091	St. Helena Parish
22	003	Allen Parish	22	093	St. James Parish
22	005	Ascension Parish	22	095	St. John the Baptist Parish
22	007	Assumption Parish	22	097	St. Landry Parish
22	009	Avoyelles Parish	22	099	St. Martin Parish
22	011	Beauregard Parish	22	101	St. Mary Parish
22	013	Bienville Parish	22	103	St. Tammany Parish
22	015	Bossier Parish	22	105	Tangipahoa Parish
22	017	Caddo Parish	22	107	Tensas Parish
22	019	Calcasieu Parish	22	109	Terrebonne Parish
22	021	Caldwell Parish	22	111	Union Parish
22	023	Cameron Parish	22	113	Vermilion Parish
22	025	Catahoula Parish	22	115	Vernon Parish
22	027	Claiborne Parish	22	117	Washington Parish
22	029	Concordia Parish	22	119	Webster Parish
22	031	De Soto Parish	22	121	West Baton Rouge Parish
22	033	East Baton Rouge Parish	22	123	West Carroll Parish
22	035	East Carroll Parish	22	125	West Feliciana Parish
22	037	East Feliciana Parish	22	127	Winn Parish
22	039	Evangeline Parish	23		Maine
22	041	Franklin Parish	23	001	Androscoggin County
22	043	Grant Parish	23	003	Aroostook County
22	045	Iberia Parish	23	005	Cumberland County
22	047	Iberville Parish	23	007	Franklin County
22	049	Jackson Parish	23	009	Hancock County
22	051	Jefferson Parish	23	011	Kennebec County
22	053	Jefferson Davis Parish	23	013	Knox County
22	055	Lafayette Parish	23	015	Lincoln County
22	057	Lafourche Parish	23	017	Oxford County
22	059	La Salle Parish	23	019	Penobscot County
22	061	Lincoln Parish	23	021	Piscataquis County
22	063	Livingston Parish	23	023	Sagadahoc County
22	065	Madison Parish	23	025	Somerset County
22	067	Morehouse Parish	23	027	Waldo County
22	069	Natchitoches Parish	23	029	Washington County
22	071	Orleans Parish	23	031	York County
22	073	Ouachita Parish	24		Maryland
22	075	Plaquemines Parish	24	001	Allegany County
22	077	Pointe Coupee Parish	24	003	Anne Arundel County
22	079	Rapides Parish	24	005	Baltimore County
22	081	Red River Parish	24	009	Calvert County
22	083	Richland Parish	24	011	Caroline County
22	085	Sabine Parish			
22	087	St. Bernard Parish			

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
24	013	Carroll County	26	017	Bay County
24	015	Cecil County	26	019	Benzie County
24	017	Charles County	26	021	Berrien County
24	019	Dorchester County	26	023	Branch County
24	021	Frederick County	26	025	Calhoun County
24	023	Garrett County	26	027	Cass County
24	025	Harford County	26	029	Charlevoix County
24	027	Howard County	26	031	Cheboygan County
24	029	Kent County	26	033	Chippewa County
24	031	Montgomery County	26	035	Clare County
24	033	Prince George's County	26	037	Clinton County
24	035	Queen Anne's County	26	039	Crawford County
24	037	St. Mary's County	26	041	Delta County
24	039	Somerset County	26	043	Dickinson County
24	041	Talbot County	26	045	Eaton County
24	043	Washington County	26	047	Emmet County
24	045	Wicomico County	26	049	Genesee County
24	047	Worcester County	26	051	Gladwin County
24	510	Baltimore city	26	053	Gogebic County
			26	055	Grand Traverse County
25		Massachusetts	26	057	Gratiot County
25	001	Barnstable County	26	059	Hillsdale County
25	003	Berkshire County	26	061	Houghton County
25	005	Bristol County	26	063	Huron County
25	007	Dukes County	26	065	Ingham County
25	009	Essex County	26	067	Ionia County
25	011	Franklin County	26	069	Iosco County
25	013	Hampden County	26	071	Iron County
25	015	Hampshire County	26	073	Isabella County
25	017	Middlesex County	26	075	Jackson County
25	019	Nantucket County	26	077	Kalamazoo County
25	021	Norfolk County	26	079	Kalkaska County
25	023	Plymouth County	26	081	Kent County
25	025	Suffolk County	26	083	Keweenaw County
25	027	Worcester County	26	085	Lake County
			26	087	Lapeer County
26		Michigan	26	089	Leelanau County
26	001	Alcona County	26	091	Lenawee County
26	003	Alger County	26	093	Livingston County
26	005	Allegan County	26	095	Luce County
26	007	Alpena County	26	097	Mackinac County
26	009	Antrim County	26	099	Macomb County
26	011	Arenac County	26	101	Manistee County
26	013	Baraga County	26	103	Marquette County
26	015	Barry County	26	105	Mason County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
26	107	Mecosta County	27	027	Clay County
26	109	Menominee County	27	029	Clearwater County
26	111	Midland County	27	031	Cook County
26	113	Missaukee County	27	033	Cottonwood County
26	115	Monroe County	27	035	Crow Wing County
26	117	Montcalm County	27	037	Dakota County
26	119	Montmorency County	27	039	Dodge County
26	121	Muskegon County	27	041	Douglas County
26	123	Newaygo County	27	043	Faribault County
26	125	Oakland County	27	045	Fillmore County
26	127	Oceana County	27	047	Freeborn County
26	129	Ogemaw County	27	049	Goodhue County
26	131	Ontonagon County	27	051	Grant County
26	133	Osceola County	27	053	Hennepin County
26	135	Oscoda County	27	055	Houston County
26	137	Otsego County	27	057	Hubbard County
26	139	Ottawa County	27	059	Isanti County
26	141	Presque Isle County	27	061	Itasca County
26	143	Roscommon County	27	063	Jackson County
26	145	Saginaw County	27	065	Kanabec County
26	147	St. Clair County	27	067	Kandiyohi County
26	149	St. Joseph County	27	069	Kittson County
26	151	Sanilac County	27	071	Koochiching County
26	153	Schoolcraft County	27	073	Lac qui Parle County
26	155	Shiawassee County	27	075	Lake County
26	157	Tuscola County	27	077	Lake of the Woods County
26	159	Van Buren County	27	079	Le Sueur County
26	161	Washtenaw County	27	081	Lincoln County
26	163	Wayne County	27	083	Lyon County
26	165	Wexford County	27	085	McLeod County
			27	087	Mahnomen County
27		Minnesota	27	089	Marshall County
27	001	Aitkin County	27	091	Martin County
27	003	Anoka County	27	093	Meeker County
27	005	Becker County	27	095	Mille Lacs County
27	007	Beltrami County	27	097	Morrison County
27	009	Benton County	27	099	Mower County
27	011	Big Stone County	27	101	Murray County
27	013	Blue Earth County	27	103	Nicollet County
27	015	Brown County	27	105	Nobles County
27	017	Carlton County	27	107	Norman County
27	019	Carver County	27	109	Olmsted County
27	021	Cass County	27	111	Otter Tail County
27	023	Chippewa County	27	113	Pennington County
27	025	Chisago County	27	115	Pine County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
27	117	Pipestone County	28	029	Copiah County
27	119	Polk County	28	031	Covington County
27	121	Pope County	28	033	DeSoto County
27	123	Ramsey County	28	035	Forrest County
27	125	Red Lake County	28	037	Franklin County
27	127	Redwood County	28	039	George County
27	129	Renville County	28	041	Greene County
27	131	Rice County	28	043	Grenada County
27	133	Rock County	28	045	Hancock County
27	135	Roseau County	28	047	Harrison County
27	137	St. Louis County	28	049	Hinds County
27	139	Scott County	28	051	Holmes County
27	141	Sherburne County	28	053	Humphreys County
27	143	Sibley County	28	055	Issaquena County
27	145	Stearns County	28	057	Itawamba County
27	147	Steele County	28	059	Jackson County
27	149	Stevens County	28	061	Jasper County
27	151	Swift County	28	063	Jefferson County
27	153	Todd County	28	065	Jefferson Davis County
27	155	Traverse County	28	067	Jones County
27	157	Wabasha County	28	069	Kemper County
27	159	Wadena County	28	071	Lafayette County
27	161	Waseca County	28	073	Lamar County
27	163	Washington County	28	075	Lauderdale County
27	165	Watonwan County	28	077	Lawrence County
27	167	Wilkin County	28	079	Leake County
27	169	Winona County	28	081	Lee County
27	171	Wright County	28	083	Leflore County
27	173	Yellow Medicine County	28	085	Lincoln County
			28	087	Lowndes County
28		Mississippi	28	089	Madison County
28	001	Adams County	28	091	Marion County
28	003	Alcorn County	28	093	Marshall County
28	005	Amite County	28	095	Monroe County
28	007	Attala County	28	097	Montgomery County
28	009	Benton County	28	099	Neshoba County
28	011	Bolivar County	28	101	Newton County
28	013	Calhoun County	28	103	Noxubee County
28	015	Carroll County	28	105	Oktibbeha County
28	017	Chickasaw County	28	107	Panola County
28	019	Choctaw County	28	109	Pearl River County
28	021	Claiborne County	28	111	Perry County
28	023	Clarke County	28	113	Pike County
28	025	Clay County	28	115	Pontotoc County
28	027	Coahoma County	28	117	Prentiss County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
28	119	Quitman County	29	041	Chariton County
28	121	Rankin County	29	043	Christian County
28	123	Scott County	29	045	Clark County
28	125	Sharkey County	29	047	Clay County
28	127	Simpson County	29	049	Clinton County
28	129	Smith County	29	051	Cole County
28	131	Stone County	29	053	Cooper County
28	133	Sunflower County	29	055	Crawford County
28	135	Tallahatchie County	29	057	Dade County
28	137	Tate County	29	059	Dallas County
28	139	Tippah County	29	061	Daviess County
28	141	Tishomingo County	29	063	DeKalb County
28	143	Tunica County	29	065	Dent County
28	145	Union County	29	067	Douglas County
28	147	Walthall County	29	069	Dunklin County
28	149	Warren County	29	071	Franklin County
28	151	Washington County	29	073	Gasconade County
28	153	Wayne County	29	075	Gentry County
28	155	Webster County	29	077	Greene County
28	157	Wilkinson County	29	079	Grundy County
28	159	Winston County	29	081	Harrison County
28	161	Yalobusha County	29	083	Henry County
28	163	Yazoo County	29	085	Hickory County
			29	087	Holt County
29		Missouri	29	089	Howard County
29	001	Adair County	29	091	Howell County
29	003	Andrew County	29	093	Iron County
29	005	Atchison County	29	095	Jackson County
29	007	Audrain County	29	097	Jasper County
29	009	Barry County	29	099	Jefferson County
29	011	Barton County	29	101	Johnson County
29	013	Bates County	29	103	Knox County
29	015	Benton County	29	105	Laclede County
29	017	Bollinger County	29	107	Lafayette County
29	019	Boone County	29	109	Lawrence County
29	021	Buchanan County	29	111	Lewis County
29	023	Butler County	29	113	Lincoln County
29	025	Caldwell County	29	115	Linn County
29	027	Callaway County	29	117	Livingston County
29	029	Camden County	29	119	McDonald County
29	031	Cape Girardeau County	29	121	Macon County
29	033	Carroll County	29	123	Madison County
29	035	Carter County	29	125	Maries County
29	037	Cass County	29	127	Marion County
29	039	Cedar County	29	129	Mercer County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
29	131	Miller County	29	223	Wayne County
29	133	Mississippi County	29	225	Webster County
29	135	Moniteau County	29	227	Worth County
29	137	Monroe County	29	229	Wright County
29	139	Montgomery County	29	510	St. Louis city
29	141	Morgan County			
29	143	New Madrid County	30		Montana
29	145	Newton County	30	001	Beaverhead County
29	147	Nodaway County	30	003	Big Horn County
29	149	Oregon County	30	005	Blaine County
29	151	Osage County	30	007	Broadwater County
29	153	Ozark County	30	009	Carbon County
29	155	Pemiscot County	30	011	Carter County
29	157	Perry County	30	013	Cascade County
29	159	Pettis County	30	015	Chouteau County
29	161	Phelps County	30	017	Custer County
29	163	Pike County	30	019	Daniels County
29	165	Platte County	30	021	Dawson County
29	167	Polk County	30	023	Deer Lodge County
29	169	Pulaski County	30	025	Fallon County
29	171	Putnam County	30	027	Fergus County
29	173	Ralls County	30	029	Flathead County
29	175	Randolph County	30	031	Gallatin County
29	177	Ray County	30	033	Garfield County
29	179	Reynolds County	30	035	Glacier County
29	181	Ripley County	30	037	Golden Valley County
29	183	St. Charles County	30	039	Granite County
29	185	St. Clair County	30	041	Hill County
29	186	Ste. Genevieve County	30	043	Jefferson County
29	187	St. Francois County	30	045	Judith Basin County
29	189	St. Louis County	30	047	Lake County
29	195	Saline County	30	049	Lewis and Clark County
29	197	Schuylerville County	30	051	Liberty County
29	199	Scotland County	30	053	Lincoln County
29	201	Scott County	30	055	McCone County
29	203	Shannon County	30	057	Madison County
29	205	Shelby County	30	059	Meagher County
29	207	Stoddard County	30	061	Mineral County
29	209	Stone County	30	063	Missoula County
29	211	Sullivan County	30	065	Musselshell County
29	213	Taney County	30	067	Park County
29	215	Texas County	30	069	Petroleum County
29	217	Vernon County	30	071	Phillips County
29	219	Warren County	30	073	Pondera County
29	221	Washington County	30	075	Powder River County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
30	077	Powell County	31	049	Deuel County
30	079	Prairie County	31	051	Dixon County
30	081	Ravalli County	31	053	Dodge County
30	083	Richland County	31	055	Douglas County
30	085	Roosevelt County	31	057	Dundy County
30	087	Rosebud County	31	059	Fillmore County
30	089	Sanders County	31	061	Franklin County
30	091	Sheridan County	31	063	Frontier County
30	093	Silver Bow County	31	065	Furnas County
30	095	Stillwater County	31	067	Gage County
30	097	Sweet Grass County	31	069	Garden County
30	099	Teton County	31	071	Garfield County
30	101	Toole County	31	073	Gosper County
30	103	Treasure County	31	075	Grant County
30	105	Valley County	31	077	Greeley County
30	107	Wheatland County	31	079	Hall County
30	109	Wibaux County	31	081	Hamilton County
30	111	Yellowstone County	31	083	Harlan County
30	113	Yellowstone National Park	31	085	Hayes County
			31	087	Hitchcock County
31		Nebraska	31	089	Holt County
31	001	Adams County	31	091	Hooker County
31	003	Antelope County	31	093	Howard County
31	005	Arthur County	31	095	Jefferson County
31	007	Banner County	31	097	Johnson County
31	009	Blaine County	31	099	Kearney County
31	011	Boone County	31	101	Keith County
31	013	Box Butte County	31	103	Keya Paha County
31	015	Boyd County	31	105	Kimball County
31	017	Brown County	31	107	Knox County
31	019	Buffalo County	31	109	Lancaster County
31	021	Burt County	31	111	Lincoln County
31	023	Butler County	31	113	Logan County
31	025	Cass County	31	115	Loup County
31	027	Cedar County	31	117	McPherson County
31	029	Chase County	31	119	Madison County
31	031	Cherry County	31	121	Merrick County
31	033	Cheyenne County	31	123	Morrill County
31	035	Clay County	31	125	Nance County
31	037	Colfax County	31	127	Nemaha County
31	039	Cuming County	31	129	Nuckolls County
31	041	Custer County	31	131	Otoe County
31	043	Dakota County	31	133	Pawnee County
31	045	Dawes County	31	135	Perkins County
31	047	Dawson County	31	137	Phelps County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
31	139	Pierce County	33	001	Belknap County
31	141	Platte County	33	003	Carroll County
31	143	Polk County	33	005	Cheshire County
31	145	Red Willow County	33	007	Coos County
31	147	Richardson County	33	009	Grafton County
31	149	Rock County	33	011	Hillsborough County
31	151	Saline County	33	013	Merrimack County
31	153	Sarpy County	33	015	Rockingham County
31	155	Saunders County	33	017	Strafford County
31	157	Scotts Bluff County	33	019	Sullivan County
31	159	Seward County			
31	161	Sheridan County	34		New Jersey
31	163	Sherman County	34	001	Atlantic County
31	165	Sioux County	34	003	Bergen County
31	167	Stanton County	34	005	Burlington County
31	169	Thayer County	34	007	Camden County
31	171	Thomas County	34	009	Cape May County
31	173	Thurston County	34	011	Cumberland County
31	175	Valley County	34	013	Essex County
31	177	Washington County	34	015	Gloucester County
31	179	Wayne County	34	017	Hudson County
31	181	Webster County	34	019	Hunterdon County
31	183	Wheeler County	34	021	Mercer County
31	185	York County	34	023	Middlesex County
			34	025	Monmouth County
32		Nevada	34	027	Morris County
32	001	Churchill County	34	029	Ocean County
32	003	Clark County	34	031	Passaic County
32	005	Douglas County	34	033	Salem County
32	007	Elko County	34	035	Somerset County
32	009	Esmeralda County	34	037	Sussex County
32	011	Eureka County	34	039	Union County
32	013	Humboldt County	34	041	Warren County
32	015	Lander County			
32	017	Lincoln County	35		New Mexico
32	019	Lyon County	35	001	Bernalillo County
32	021	Mineral County	35	003	Catron County
32	023	Nye County	35	005	Chaves County
32	027	Pershing County	35	006	Cibola County
32	029	Storey County	35	007	Colfax County
32	031	Washoe County	35	009	Curry County
32	033	White Pine County	35	011	DeBaca County
32	510	Carson City	35	013	Dona Ana County
			35	015	Eddy County
33		New Hampshire	35	017	Grant County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
35	019	Guadalupe County	36	041	Hamilton County
35	021	Harding County	36	043	Herkimer County
35	023	Hidalgo County	36	045	Jefferson County
35	025	Lea County	36	047	Kings County
35	027	Lincoln County	36	049	Lewis County
35	028	Los Alamos County	36	051	Livingston County
35	029	Luna County	36	053	Madison County
35	031	McKinley County	36	055	Monroe County
35	033	Mora County	36	057	Montgomery County
35	035	Otero County	36	059	Nassau County
35	037	Quay County	36	061	New York County
35	039	Rio Arriba County	36	063	Niagara County
35	041	Roosevelt County	36	065	Oneida County
35	043	Sandoval County	36	067	Onondaga County
35	045	San Juan County	36	069	Ontario County
35	047	San Miguel County	36	071	Orange County
35	049	Santa Fe County	36	073	Orleans County
35	051	Sierra County	36	075	Oswego County
35	053	Socorro County	36	077	Otsego County
35	055	Taos County	36	079	Putnam County
35	057	Torrance County	36	081	Queens County
35	059	Union County	36	083	Rensselaer County
35	061	Valencia County	36	085	Richmond County
			36	087	Rockland County
36		New York	36	089	St. Lawrence County
36	001	Albany County	36	091	Saratoga County
36	003	Allegany County	36	093	Schenectady County
36	005	Bronx County	36	095	Schoharie County
36	007	Broome County	36	097	Schuyler County
36	009	Cattaraugus County	36	099	Seneca County
36	011	Cayuga County	36	101	Steuben County
36	013	Chautauqua County	36	103	Suffolk County
36	015	Chemung County	36	105	Sullivan County
36	017	Chenango County	36	107	Tioga County
36	019	Clinton County	36	109	Tompkins County
36	021	Columbia County	36	111	Ulster County
36	023	Cortland County	36	113	Warren County
36	025	Delaware County	36	115	Washington County
36	027	Dutchess County	36	117	Wayne County
36	029	Erie County	36	119	Westchester County
36	031	Essex County	36	121	Wyoming County
36	033	Franklin County	36	123	Yates County
36	035	Fulton County	37		North Carolina
36	037	Genesee County	37	001	Alamance County
36	039	Greene County			

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
37	003	Alexander County	37	093	Hoke County
37	005	Alleghany County	37	095	Hyde County
37	007	Anson County	37	097	Iredell County
37	009	Ashe County	37	099	Jackson County
37	011	Avery County	37	101	Johnston County
37	013	Beaufort County	37	103	Jones County
37	015	Bertie County	37	105	Lee County
37	017	Bladen County	37	107	Lenoir County
37	019	Brunswick County	37	109	Lincoln County
37	021	Buncombe County	37	111	McDowell County
37	023	Burke County	37	113	Macon County
37	025	Cabarrus County	37	115	Madison County
37	027	Caldwell County	37	117	Martin County
37	029	Camden County	37	119	Mecklenburg County
37	031	Carteret County	37	121	Mitchell County
37	033	Caswell County	37	123	Montgomery County
37	035	Catawba County	37	125	Moore County
37	037	Chatham County	37	127	Nash County
37	039	Cherokee County	37	129	New Hanover County
37	041	Chowan County	37	131	Northampton County
37	043	Clay County	37	133	Onslow County
37	045	Cleveland County	37	135	Orange County
37	047	Columbus County	37	137	Pamlico County
37	049	Craven County	37	139	Pasquotank County
37	051	Cumberland County	37	141	Pender County
37	053	Currituck County	37	143	Perquimans County
37	055	Dare County	37	145	Person County
37	057	Davidson County	37	147	Pitt County
37	059	Davie County	37	149	Polk County
37	061	Duplin County	37	151	Randolph County
37	063	Durham County	37	153	Richmond County
37	065	Edgecombe County	37	155	Robeson County
37	067	Forsyth County	37	157	Rockingham County
37	069	Franklin County	37	159	Rowan County
37	071	Gaston County	37	161	Rutherford County
37	073	Gates County	37	163	Sampson County
37	075	Graham County	37	165	Scotland County
37	077	Granville County	37	167	Stanly County
37	079	Greene County	37	169	Stokes County
37	081	Guilford County	37	171	Surry County
37	083	Halifax County	37	173	Swain County
37	085	Harnett County	37	175	Transylvania County
37	087	Haywood County	37	177	Tyrrell County
37	089	Henderson County	37	179	Union County
37	091	Hertford County	37	181	Vance County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
37	183	Wake County	38	069	Pierce County
37	185	Warren County	38	071	Ramsey County
37	187	Washington County	38	073	Ransom County
37	189	Watauga County	38	075	Renville County
37	191	Wayne County	38	077	Richland County
37	193	Wilkes County	38	079	Rolette County
37	195	Wilson County	38	081	Sargent County
37	197	Yadkin County	38	083	Sheridan County
37	199	Yancey County	38	085	Sioux County
			38	087	Slope County
38		North Dakota	38	089	Stark County
38	001	Adams County	38	091	Steele County
38	003	Barnes County	38	093	Stutsman County
38	005	Benson County	38	095	Towner County
38	007	Billings County	38	097	Traill County
38	009	Bottineau County	38	099	Walsh County
38	011	Bowman County	38	101	Ward County
38	013	Burke County	38	103	Wells County
38	015	Burleigh County	38	105	Williams County
38	017	Cass County			
38	019	Cavalier County	39		Ohio
38	021	Dickey County	39	001	Adams County
38	023	Divide County	39	003	Allen County
38	025	Dunn County	39	005	Ashland County
38	027	Eddy County	39	007	Ashtabula County
38	029	Emmons County	39	009	Athens County
38	031	Foster County	39	011	Auglaize County
38	033	Golden Valley County	39	013	Belmont County
38	035	Grand Forks County	39	015	Brown County
38	037	Grant County	39	017	Butler County
38	039	Griggs County	39	019	Carroll County
38	041	Hettinger County	39	021	Champaign County
38	043	Kidder County	39	023	Clark County
38	045	LaMoure County	39	025	Clermont County
38	047	Logan County	39	027	Clinton County
38	049	McHenry County	39	029	Columbiana County
38	051	McIntosh County	39	031	Coshocton County
38	053	McKenzie County	39	033	Crawford County
38	055	McLean County	39	035	Cuyahoga County
38	057	Mercer County	39	037	Darke County
38	059	Morton County	39	039	Defiance County
38	061	Mountrail County	39	041	Delaware County
38	063	Nelson County	39	043	Erie County
38	065	Oliver County	39	045	Fairfield County
38	067	Pembina County	39	047	Fayette County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
39	049	Franklin County	39	139	Richland County
39	051	Fulton County	39	141	Ross County
39	053	Gallia County	39	143	Sandusky County
39	055	Geauga County	39	145	Scioto County
39	057	Greene County	39	147	Seneca County
39	059	Guernsey County	39	149	Shelby County
39	061	Hamilton County	39	151	Stark County
39	063	Hancock County	39	153	Summit County
39	065	Hardin County	39	155	Trumbull County
39	067	Harrison County	39	157	Tuscarawas County
39	069	Henry County	39	159	Union County
39	071	Highland County	39	161	Van Wert County
39	073	Hocking County	39	163	Vinton County
39	075	Holmes County	39	165	Warren County
39	077	Huron County	39	167	Washington County
39	079	Jackson County	39	169	Wayne County
39	081	Jefferson County	39	171	Williams County
39	083	Knox County	39	173	Wood County
39	085	Lake County	39	175	Wyandot County
39	087	Lawrence County			
39	089	Licking County	40		Oklahoma
39	091	Logan County	40	001	Adair County
39	093	Lorain County	40	003	Alfalfa County
39	095	Lucas County	40	005	Atoka County
39	097	Madison County	40	007	Beaver County
39	099	Mahoning County	40	009	Beckham County
39	101	Marion County	40	011	Blaine County
39	103	Medina County	40	013	Bryan County
39	105	Meigs County	40	015	Caddo County
39	107	Mercer County	40	017	Canadian County
39	109	Miami County	40	019	Carter County
39	111	Monroe County	40	021	Cherokee County
39	113	Montgomery County	40	023	Choctaw County
39	115	Morgan County	40	025	Cimarron County
39	117	Morrow County	40	027	Cleveland County
39	119	Muskingum County	40	029	Coal County
39	121	Noble County	40	031	Comanche County
39	123	Ottawa County	40	033	Cotton County
39	125	Paulding County	40	035	Craig County
39	127	Perry County	40	037	Creek County
39	129	Pickaway County	40	039	Custer County
39	131	Pike County	40	041	Delaware County
39	133	Portage County	40	043	Dewey County
39	135	Preble County	40	045	Ellis County
39	137	Putnam County	40	047	Garfield County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
40	049	Garvin County	40	139	Texas County
40	051	Grady County	40	141	Tillman County
40	053	Grant County	40	143	Tulsa County
40	055	Greer County	40	145	Wagoner County
40	057	Harmon County	40	147	Washington County
40	059	Harper County	40	149	Washita County
40	061	Haskell County	40	151	Woods County
40	063	Hughes County	40	153	Woodward County
40	065	Jackson County			
40	067	Jefferson County	41		Oregon
40	069	Johnston County	41	001	Baker County
40	071	Kay County	41	003	Benton County
40	073	Kingfisher County	41	005	Clackamas County
40	075	Kiowa County	41	007	Clatsop County
40	077	Latimer County	41	009	Columbia County
40	079	Le Flore County	41	011	Coos County
40	081	Lincoln County	41	013	Crook County
40	083	Logan County	41	015	Curry County
40	085	Love County	41	017	Deschutes County
40	087	McClain County	41	019	Douglas County
40	089	McCurtain County	41	021	Gilliam County
40	091	McIntosh County	41	023	Grant County
40	093	Major County	41	025	Harney County
40	095	Marshall County	41	027	Hood River County
40	097	Mayes County	41	029	Jackson County
40	099	Murray County	41	031	Jefferson County
40	101	Muskogee County	41	033	Josephine County
40	103	Noble County	41	035	Klamath County
40	105	Nowata County	41	037	Lake County
40	107	Okfuskee County	41	039	Lane County
40	109	Oklahoma County	41	041	Lincoln County
40	111	Okmulgee County	41	043	Linn County
40	113	Osage County	41	045	Malheur County
40	115	Ottawa County	41	047	Marion County
40	117	Pawnee County	41	049	Morrow County
40	119	Payne County	41	051	Multnomah County
40	121	Pittsburg County	41	053	Polk County
40	123	Pontotoc County	41	055	Sherman County
40	125	Pottawatomie County	41	057	Tillamook County
40	127	Pushmataha County	41	059	Umatilla County
40	129	Roger Mills County	41	061	Union County
40	131	Rogers County	41	063	Wallowa County
40	133	Seminole County	41	065	Wasco County
40	135	Sequoyah County	41	067	Washington County
40	137	Stephens County	41	069	Wheeler County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
41	071	Yamhill County	42	085	Mercer County
			42	087	Mifflin County
42		Pennsylvania	42	089	Monroe County
42	001	Adams County	42	091	Montgomery County
42	003	Allegheny County	42	093	Montour County
42	005	Armstrong County	42	095	Northampton County
42	007	Beaver County	42	097	Northumberland County
42	009	Bedford County	42	099	Perry County
42	011	Berks County	42	101	Philadelphia County
42	013	Blair County	42	103	Pike County
42	015	Bradford County	42	105	Potter County
42	017	Bucks County	42	107	Schuylkill County
42	019	Butler County	42	109	Snyder County
42	021	Cambria County	42	111	Somerset County
42	023	Cameron County	42	113	Sullivan County
42	025	Carbon County	42	115	Susquehanna County
42	027	Centre County	42	117	Tioga County
42	029	Chester County	42	119	Union County
42	031	Clarion County	42	121	Venango County
42	033	Clearfield County	42	123	Warren County
42	035	Clinton County	42	125	Washington County
42	037	Columbia County	42	127	Wayne County
42	039	Crawford County	42	129	Westmoreland County
42	041	Cumberland County	42	131	Wyoming County
42	043	Dauphin County	42	133	York County
42	045	Delaware County			
42	047	Elk County	44		Rhode Island
42	049	Erie County	44	001	Bristol County
42	051	Fayette County	44	003	Kent County
42	053	Forest County	44	005	Newport County
42	055	Franklin County	44	007	Providence County
42	057	Fulton County	44	009	Washington County
42	059	Greene County			
42	061	Huntingdon County	45		South Carolina
42	063	Indiana County	45	001	Abbeville County
42	065	Jefferson County	45	003	Aiken County
42	067	Juniata County	45	005	Allendale County
42	069	Lackawanna County	45	007	Anderson County
42	071	Lancaster County	45	009	Bamberg County
42	073	Lawrence County	45	011	Barnwell County
42	075	Lebanon County	45	013	Beaufort County
42	077	Lehigh County	45	015	Berkeley County
42	079	Luzerne County	45	017	Calhoun County
42	081	Lycoming County	45	019	Charleston County
42	083	Mc Kean County	45	021	Cherokee County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
45	023	Chester County	46	019	Butte County
45	025	Chesterfield County	46	021	Campbell County
45	027	Clarendon County	46	023	Charles Mix County
45	029	Colleton County	46	025	Clark County
45	031	Darlington County	46	027	Clay County
45	033	Dillon County	46	029	Codington County
45	035	Dorchester County	46	031	Corson County
45	037	Edgefield County	46	033	Custer County
45	039	Fairfield County	46	035	Davison County
45	041	Florence County	46	037	Day County
45	043	Georgetown County	46	039	Deuel County
45	045	Greenville County	46	041	Dewey County
45	047	Greenwood County	46	043	Douglas County
45	049	Hampton County	46	045	Edmunds County
45	051	Horry County	46	047	Fall River County
45	053	Jasper County	46	049	Faulk County
45	055	Kershaw County	46	051	Grant County
45	057	Lancaster County	46	053	Gregory County
45	059	Laurens County	46	055	Haakon County
45	061	Lee County	46	057	Hamlin County
45	063	Lexington County	46	059	Hand County
45	065	McCormick County	46	061	Hanson County
45	067	Marion County	46	063	Harding County
45	069	Marlboro County	46	065	Hughes County
45	071	Newberry County	46	067	Hutchinson County
45	073	Oconee County	46	069	Hyde County
45	075	Orangeburg County	46	071	Jackson County
45	077	Pickens County	46	073	Jerauld County
45	079	Richland County	46	075	Jones County
45	081	Saluda County	46	077	Kingsbury County
45	083	Spartanburg County	46	079	Lake County
45	085	Sumter County	46	081	Lawrence County
45	087	Union County	46	083	Lincoln County
45	089	Williamsburg County	46	085	Lyman County
45	091	York County	46	087	McCook County
			46	089	McPherson County
46		South Dakota	46	091	Marshall County
46	003	Aurora County	46	093	Meade County
46	005	Beadle County	46	095	Mellette County
46	007	Bennett County	46	097	Miner County
46	009	Bon Homme County	46	099	Minnehaha County
46	011	Brookings County	46	101	Moody County
46	013	Brown County	46	103	Pennington County
46	015	Brule County	46	105	Perkins County
46	017	Buffalo County	46	107	Potter County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
46	109	Roberts County	47	061	Grundy County
46	111	Sanborn County	47	063	Hamblen County
46	113	Shannon County	47	065	Hamilton County
46	115	Spink County	47	067	Hancock County
46	117	Stanley County	47	069	Hardeman County
46	119	Sully County	47	071	Hardin County
46	121	Todd County	47	073	Hawkins County
46	123	Tripp County	47	075	Haywood County
46	125	Turner County	47	077	Henderson County
46	127	Union County	47	079	Henry County
46	129	Walworth County	47	081	Hickman County
46	135	Yankton County	47	083	Houston County
46	137	Ziebach County	47	085	Humphreys County
			47	087	Jackson County
47		Tennessee	47	089	Jefferson County
47	001	Anderson County	47	091	Johnson County
47	003	Bedford County	47	093	Knox County
47	005	Benton County	47	095	Lake County
47	007	Bledsoe County	47	097	Lauderdale County
47	009	Blount County	47	099	Lawrence County
47	011	Bradley County	47	101	Lewis County
47	013	Campbell County	47	103	Lincoln County
47	015	Cannon County	47	105	Loudon County
47	017	Carroll County	47	107	McMinn County
47	019	Carter County	47	109	McNairy County
47	021	Cheatham County	47	111	Macon County
47	023	Chester County	47	113	Madison County
47	025	Claiborne County	47	115	Marion County
47	027	Clay County	47	117	Marshall County
47	029	Cocke County	47	119	Maury County
47	031	Coffee County	47	121	Meigs County
47	033	Crockett County	47	123	Monroe County
47	035	Cumberland County	47	125	Montgomery County
47	037	Davidson County	47	127	Moore County
47	039	Decatur County	47	129	Morgan County
47	041	DeKalb County	47	131	Obion County
47	043	Dickson County	47	133	Overton County
47	045	Dyer County	47	135	Perry County
47	047	Fayette County	47	137	Pickett County
47	049	Fentress County	47	139	Polk County
47	051	Franklin County	47	141	Putnam County
47	053	Gibson County	47	143	Rhea County
47	055	Giles County	47	145	Roane County
47	057	Grainger County	47	147	Robertson County
47	059	Greene County	47	149	Rutherford County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
47	151	Scott County	48	047	Brooks County
47	153	Sequatchie County	48	049	Brown County
47	155	Sevier County	48	051	Burleson County
47	157	Shelby County	48	053	Burnet County
47	159	Smith County	48	055	Caldwell County
47	161	Stewart County	48	057	Calhoun County
47	163	Sullivan County	48	059	Callahan County
47	165	Sumner County	48	061	Cameron County
47	167	Tipton County	48	063	Camp County
47	169	Trousdale County	48	065	Carson County
47	171	Unicoi County	48	067	Cass County
47	173	Union County	48	069	Castro County
47	175	Van Buren County	48	071	Chambers County
47	177	Warren County	48	073	Cherokee County
47	179	Washington County	48	075	Childress County
47	181	Wayne County	48	077	Clay County
47	183	Weakley County	48	079	Cochran County
47	185	White County	48	081	Coke County
47	187	Williamson County	48	083	Coleman County
47	189	Wilson County	48	085	Collin County
			48	087	Collingsworth County
48		Texas	48	089	Colorado County
48	001	Anderson County	48	091	Comal County
48	003	Andrews County	48	093	Comanche County
48	005	Angelina County	48	095	Concho County
48	007	Aransas County	48	097	Cooke County
48	009	Archer County	48	099	Coryell County
48	011	Armstrong County	48	101	Cottle County
48	013	Atascosa County	48	103	Crane County
48	015	Austin County	48	105	Crockett County
48	017	Bailey County	48	107	Crosby County
48	019	Bandera County	48	109	Culberson County
48	021	Bastrop County	48	111	Dallam County
48	023	Baylor County	48	113	Dallas County
48	025	Bee County	48	115	Dawson County
48	027	Bell County	48	117	Deaf Smith County
48	029	Bexar County	48	119	Delta County
48	031	Blanco County	48	121	Denton County
48	033	Borden County	48	123	DeWitt County
48	035	Bosque County	48	125	Dickens County
48	037	Bowie County	48	127	Dimmit County
48	039	Brazoria County	48	129	Donley County
48	041	Brazos County	48	131	Duval County
48	043	Brewster County	48	133	Eastland County
48	045	Briscoe County	48	135	Ector County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
48	137	Edwards County	48	227	Howard County
48	139	Ellis County	48	229	Hudspeth County
48	141	El Paso County	48	231	Hunt County
48	143	Erath County	48	233	Hutchinson County
48	145	Falls County	48	235	Irion County
48	147	Fannin County	48	237	Jack County
48	149	Fayette County	48	239	Jackson County
48	151	Fisher County	48	241	Jasper County
48	153	Floyd County	48	243	Jeff Davis County
48	155	Foard County	48	245	Jefferson County
48	157	Fort Bend County	48	247	Jim Hogg County
48	159	Franklin County	48	249	Jim Wells County
48	161	Freestone County	48	251	Johnson County
48	163	Frio County	48	253	Jones County
48	165	Gaines County	48	255	Karnes County
48	167	Galveston County	48	257	Kaufman County
48	169	Garza County	48	259	Kendall County
48	171	Gillespie County	48	261	Kenedy County
48	173	Glasscock County	48	263	Kent County
48	175	Goliad County	48	265	Kerr County
48	177	Gonzales County	48	267	Kimble County
48	179	Gray County	48	269	King County
48	181	Grayson County	48	271	Kinney County
48	183	Gregg County	48	273	Kleberg County
48	185	Grimes County	48	275	Knox County
48	187	Guadalupe County	48	277	Lamar County
48	189	Hale County	48	279	Lamb County
48	191	Hall County	48	281	Lampasas County
48	193	Hamilton County	48	283	La Salle County
48	195	Hansford County	48	285	Lavaca County
48	197	Hardeman County	48	287	Lee County
48	199	Hardin County	48	289	Leon County
48	201	Harris County	48	291	Liberty County
48	203	Harrison County	48	293	Limestone County
48	205	Hartley County	48	295	Lipscomb County
48	207	Haskell County	48	297	Live Oak County
48	209	Hays County	48	299	Llano County
48	211	Hemphill County	48	301	Loving County
48	213	Henderson County	48	303	Lubbock County
48	215	Hidalgo County	48	305	Lynn County
48	217	Hill County	48	307	McCulloch County
48	219	Hockley County	48	309	McLennan County
48	221	Hood County	48	311	McMullen County
48	223	Hopkins County	48	313	Madison County
48	225	Houston County	48	315	Marion County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
48	317	Martin County	48	407	San Jacinto County
48	319	Mason County	48	409	San Patricio County
48	321	Matagorda County	48	411	San Saba County
48	323	Maverick County	48	413	Schleicher County
48	325	Medina County	48	415	Scurry County
48	327	Menard County	48	417	Shackelford County
48	329	Midland County	48	419	Shelby County
48	331	Milam County	48	421	Sherman County
48	333	Mills County	48	423	Smith County
48	335	Mitchell County	48	425	Somervell County
48	337	Montague County	48	427	Starr County
48	339	Montgomery County	48	429	Stephens County
48	341	Moore County	48	431	Sterling County
48	343	Morris County	48	433	Stonewall County
48	345	Motley County	48	435	Sutton County
48	347	Nacogdoches County	48	437	Swisher County
48	349	Navarro County	48	439	Tarrant County
48	351	Newton County	48	441	Taylor County
48	353	Nolan County	48	443	Terrell County
48	355	Nueces County	48	445	Terry County
48	357	Ochiltree County	48	447	Throckmorton County
48	359	Oldham County	48	449	Titus County
48	361	Orange County	48	451	Tom Green County
48	363	Palo Pinto County	48	453	Travis County
48	365	Panola County	48	455	Trinity County
48	367	Parker County	48	457	Tyler County
48	369	Parmer County	48	459	Upshur County
48	371	Pecos County	48	461	Upton County
48	373	Polk County	48	463	Uvalde County
48	375	Potter County	48	465	Val Verde County
48	377	Presidio County	48	467	Van Zandt County
48	379	Rains County	48	469	Victoria County
48	381	Randall County	48	471	Walker County
48	383	Reagan County	48	473	Waller County
48	385	Real County	48	475	Ward County
48	387	Red River County	48	477	Washington County
48	389	Reeves County	48	479	Webb County
48	391	Refugio County	48	481	Wharton County
48	393	Roberts County	48	483	Wheeler County
48	395	Robertson County	48	485	Wichita County
48	397	Rockwall County	48	487	Wilbarger County
48	399	Runnels County	48	489	Willacy County
48	401	Rusk County	48	491	Williamson County
48	403	Sabine County	48	493	Wilson County
48	405	San Augustine County	48	495	Winkler County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
48	497	Wise County	50	013	Grand Isle County
48	499	Wood County	50	015	Lamoille County
48	501	Yoakum County	50	017	Orange County
48	503	Young County	50	019	Orleans County
48	505	Zapata County	50	021	Rutland County
48	507	Zavala County	50	023	Washington County
			50	025	Windham County
49		Utah	50	027	Windsor County
49	001	Beaver County	51		Virginia
49	003	Box Elder County	51	001	Accomack County
49	005	Cache County	51	003	Albemarle County
49	007	Carbon County	51	005	Alleghany County
49	009	Daggett County	51	007	Amelia County
49	011	Davis County	51	009	Amherst County
49	013	Duchesne County	51	011	Appomattox County
49	015	Emery County	51	013	Arlington County
49	017	Garfield County	51	015	Augusta County
49	019	Grand County	51	017	Bath County
49	021	Iron County	51	019	Bedford County
49	023	Juab County	51	021	Bland County
49	025	Kane County	51	023	Botetourt County
49	027	Millard County	51	025	Brunswick County
49	029	Morgan County	51	027	Buchanan County
49	031	Piute County	51	029	Buckingham County
49	033	Rich County	51	031	Campbell County
49	035	Salt Lake County	51	033	Caroline County
49	037	San Juan County	51	035	Carroll County
49	039	Sanpete County	51	036	Charles City County
49	041	Sevier County	51	037	Charlotte County
49	043	Summit County	51	041	Chesterfield County
49	045	Tooele County	51	043	Clarke County
49	047	Uintah County	51	045	Craig County
49	049	Utah County	51	047	Culpeper County
49	051	Wasatch County	51	049	Cumberland County
49	053	Washington County	51	051	Dickenson County
49	055	Wayne County	51	053	Dinwiddie County
49	057	Weber County	51	057	Essex County
50		Vermont	51	059	Fairfax County
50	001	Addison County	51	061	Fauquier County
50	003	Bennington County	51	063	Floyd County
50	005	Caledonia County	51	065	Fluvanna County
50	007	Chittenden County	51	067	Franklin County
50	009	Essex County	51	069	Frederick County
50	011	Franklin County	51	071	Giles County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
51	073	Gloucester County	51	169	Scott County
51	075	Goochland County	51	171	Shenandoah County
51	077	Grayson County	51	173	Smyth County
51	079	Greene County	51	175	Southampton County
51	081	Greenville County	51	177	Spotsylvania County
51	083	Halifax County	51	179	Stafford County
51	085	Hanover County	51	181	Surry County
51	087	Henrico County	51	183	Sussex County
51	089	Henry County	51	185	Tazewell County
51	091	Highland County	51	187	Warren County
51	093	Isle of Wight County	51	191	Washington County
51	095	James City County	51	193	Westmoreland County
51	097	King and Queen County	51	195	Wise County
51	099	King George County	51	197	Wythe County
51	101	King William County	51	199	York County
51	103	Lancaster County	51	510	Alexandria city
51	105	Lee County	51	515	Bedford city
51	107	Loudoun County	51	520	Bristol city
51	109	Louisa County	51	530	Buena Vista city
51	111	Lunenburg County	51	540	Charlottesville city
51	113	Madison County	51	550	Chesapeake city
51	115	Mathews County	51	560	Clifton Forge city
51	117	Mecklenburg County	51	570	Colonial Heights city
51	119	Middlesex County	51	580	Covington city
51	121	Montgomery County	51	590	Danville city
51	125	Nelson County	51	595	Emporia city
51	127	New Kent County	51	600	Fairfax city
51	131	Northampton County	51	610	Falls Church city
51	133	Northumberland County	51	620	Franklin city
51	135	Nottoway County	51	630	Fredericksburg city
51	137	Orange County	51	640	Galax city
51	139	Page County	51	650	Hampton city
51	141	Patrick County	51	660	Harrisonburg city
51	143	Pittsylvania County	51	670	Hopewell city
51	145	Powhatan County	51	678	Lexington city
51	147	Prince Edward County	51	680	Lynchburg city
51	149	Prince George County	51	683	Manassas city
51	153	Prince William County	51	685	Manassas Park city
51	155	Pulaski County	51	690	Martinsville city
51	157	Rappahannock County	51	700	Newport News city
51	159	Richmond County	51	710	Norfolk city
51	161	Roanoke County	51	720	Norton city
51	163	Rockbridge County	51	730	Petersburg city
51	165	Rockingham County	51	735	Poquoson city
51	167	Russell County	51	740	Portsmouth city

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
51	750	Radford city	53	065	Stevens County
51	760	Richmond city	53	067	Thurston County
51	770	Roanoke city	53	069	Wahkiakum County
51	775	Salem city	53	071	Walla Walla County
51	780	South Boston city	53	073	Whatcom County
51	790	Staunton city	53	075	Whitman County
51	800	Suffolk city	53	077	Yakima County
51	810	Virginia Beach city	54		West Virginia
51	820	Waynesboro city	54	001	Barbour County
51	830	Williamsburg city	54	003	Berkeley County
51	840	Winchester city	54	005	Boone County
53		Washington	54	007	Braxton County
53	001	Adams County	54	009	Brooke County
53	003	Asotin County	54	011	Cabell County
53	005	Benton County	54	013	Calhoun County
53	007	Chelan County	54	015	Clay County
53	009	Clallam County	54	017	Doddridge County
53	011	Clark County	54	019	Fayette County
53	013	Columbia County	54	021	Gilmer County
53	015	Cowlitz County	54	023	Grant County
53	017	Douglas County	54	025	Greenbrier County
53	019	Ferry County	54	027	Hampshire County
53	021	Franklin County	54	029	Hancock County
53	023	Garfield County	54	031	Hardy County
53	025	Grant County	54	033	Harrison County
53	027	Grays Harbor County	54	035	Jackson County
53	029	Island County	54	037	Jefferson County
53	031	Jefferson County	54	039	Kanawha County
53	033	King County	54	041	Lewis County
53	035	Kitsap County	54	043	Lincoln County
53	037	Kittitas County	54	045	Logan County
53	039	Klickitat County	54	047	McDowell County
53	041	Lewis County	54	049	Marion County
53	043	Lincoln County	54	051	Marshall County
53	045	Mason County	54	053	Mason County
53	047	Okanogan County	54	055	Mercer County
53	049	Pacific County	54	057	Mineral County
53	051	Pend Oreille County	54	059	Mingo County
53	053	Pierce County	54	061	Monongalia County
53	055	San Juan County	54	063	Monroe County
53	057	Skagit County	54	065	Morgan County
53	059	Skamania County	54	067	Nicholas County
53	061	Snohomish County	54	069	Ohio County
53	063	Spokane County	54	071	Pendleton County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
54	073	Pleasants County	55	049	Iowa County
54	075	Pocahontas County	55	051	Iron County
54	077	Preston County	55	053	Jackson County
54	079	Putnam County	55	055	Jefferson County
54	081	Raleigh County	55	057	Juneau County
54	083	Randolph County	55	059	Kenosha County
54	085	Ritchie County	55	061	Kewaunee County
54	087	Roane County	55	063	La Crosse County
54	089	Summers County	55	065	Lafayette County
54	091	Taylor County	55	067	Langlade County
54	093	Tucker County	55	069	Lincoln County
54	095	Tyler County	55	071	Manitowoc County
54	097	Upshur County	55	073	Marathon County
54	099	Wayne County	55	075	Marinette County
54	101	Webster County	55	077	Marquette County
54	103	Wetzel County	55	078	Menominee County
54	105	Wirt County	55	079	Milwaukee County
54	107	Wood County	55	081	Monroe County
54	109	Wyoming County	55	083	Oconto County
			55	085	Oneida County
55		Wisconsin	55	087	Outagamie County
55	001	Adams County	55	089	Ozaukee County
55	003	Ashland County	55	091	Pepin County
55	005	Barron County	55	093	Pierce County
55	007	Bayfield County	55	095	Polk County
55	009	Brown County	55	097	Portage County
55	011	Buffalo County	55	099	Price County
55	013	Burnett County	55	101	Racine County
55	015	Calumet County	55	103	Richland County
55	017	Chippewa County	55	105	Rock County
55	019	Clark County	55	107	Rusk County
55	021	Columbia County	55	109	St. Croix County
55	023	Crawford County	55	111	Sauk County
55	025	Dane County	55	113	Sawyer County
55	027	Dodge County	55	115	Shawano County
55	029	Door County	55	117	Sheboygan County
55	031	Douglas County	55	119	Taylor County
55	033	Dunn County	55	121	Trempealeau County
55	035	Eau Claire County	55	123	Vernon County
55	037	Florence County	55	125	Vilas County
55	039	Fond du Lac County	55	127	Walworth County
55	041	Forest County	55	129	Washburn County
55	043	Grant County	55	131	Washington County
55	045	Green County	55	133	Waukesha County
55	047	Green Lake County	55	135	Waupaca County

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
55	137	Waushara County	68		Marshall Islands
55	139	Winnebago County	68	007	Ailinginae Municipality
55	141	Wood County	68	010	Ailinglaplap Municipality
			68	030	Ailuk Municipality
56		Wyoming	68	040	Arno Municipality
56	001	Albany County	68	050	Aur Municipality
56	003	Big Horn County	68	060	Bikar Municipality
56	005	Campbell County	68	070	Bikini Municipality
56	007	Carbon County	68	073	Bokak Municipality
56	009	Converse County	68	080	Ebon Municipality
56	011	Crook County	68	090	Enewetak Municipality
56	013	Fremont County	68	100	Erikub Municipality
56	015	Goshen County	68	110	Jabat Municipality
56	017	Hot Springs County	68	120	Jaluit Municipality
56	019	Johnson County	68	130	Jemo Municipality
56	021	Laramie County	68	140	Kili Municipality
56	023	Lincoln County	68	150	Kwajalein Municipality
56	025	Natrona County	68	160	Lae Municipality
56	027	Niobrara County	68	170	Lib Municipality
56	029	Park County	68	180	Likiep Municipality
56	031	Platte County	68	190	Majuro Municipality
56	033	Sheridan County	68	300	Maloelap Municipality
56	035	Sublette County	68	310	Mejit Municipality
56	037	Sweetwater County	68	320	Mili Municipality
56	039	Teton County	68	330	Namorik Municipality
56	041	Uinta County	68	340	Namu Municipality
56	043	Washakie County	68	350	Rongelap Municipality
56	045	Weston County	68	360	Rongrik Municipality
			68	385	Toke Municipality
60		American Samoa	68	390	Ujae Municipality
60	010	Eastern District	68	400	Ujelang Municipality
60	020	Manu'a District	68	410	Utrik Municipality
60	030	Rose Island	68	420	Wotho Municipality
60	040	Swains Island	68	430	Wotje Municipality
60	050	Western District			
			69		Northern Mariana Islands
64		Federated States of Micronesia	69	085	Northern Islands Municipality
64	002	Chuuk State	69	100	Rota Municipality
64	005	Kosrae State	69	110	Saipan Municipality
64	040	Pohnpei State	69	120	Tinian Municipality
64	060	Yap State			
			70		Palau
66		Guam	70	002	Aimeliik State
66	010	Guam	70	004	Airai State

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
70	010	Angaur State	72	057	Guayama Municipio
70	050	Hatobohei State	72	059	Guayanilla Municipio
70	100	Kayangel State	72	061	Guaynabo Municipio
70	150	Koror State	72	063	Gurabo Municipio
70	212	Melekeok State	72	065	Hatillo Municipio
70	214	Ngaraard State	72	067	Hormigueros Municipio
70	218	Ngarchelong State	72	069	Humacao Municipio
70	222	Ngardmau State	72	071	Isabela Municipio
70	224	Ngatpang State	72	073	Jayuya Municipio
70	226	Ngchesar State	72	075	Juana Diaz Municipio
70	227	Ngeremlengui State	72	077	Juncos Municipio
70	228	Ngiwal State	72	079	Lajas Municipio
70	350	Peleliu State	72	081	Lares Municipio
70	370	Sonsorol State	72	083	Las Marias Municipio
72		Puerto Rico	72	085	Las Piedras Municipio
72	001	Adjuntas Municipio	72	087	Loiza Municipio
72	003	Aguada Municipio	72	089	Luquillo Municipio
72	005	Aguadilla Municipio	72	091	Manati Municipio
72	007	Aguas Buenas Municipio	72	093	Maricao Municipio
72	009	Aibonito Municipio	72	095	Maunabo Municipio
72	011	Anasco Municipio	72	097	Mayaguez Municipio
72	013	Arecibo Municipio	72	099	Moca Municipio
72	015	Arroyo Municipio	72	101	Morovis Municipio
72	017	Barceloneta Municipio	72	103	Naguabo Municipio
72	019	Barranquitas Municipio	72	105	Naranjito Municipio
72	021	Bayamon Municipio	72	107	Orocovis Municipio
72	023	Cabo Rojo Municipio	72	109	Patillas Municipio
72	025	Caguas Municipio	72	111	Penuelas Municipio
72	027	Camuy Municipio	72	113	Ponce Municipio
72	029	Canovanas Municipio	72	115	Quebradillas Municipio
72	031	Carolina Municipio	72	117	Rincon Municipio
72	033	Catano Municipio	72	119	Rio Grande Municipio
72	035	Cayey Municipio	72	121	Sabana Grande Municipio
72	037	Ceiba Municipio	72	123	Salinas Municipio
72	039	Ciales Municipio	72	125	San German Municipio
72	041	Cidra Municipio	72	127	San Juan Municipio
72	043	Coamo Municipio	72	129	San Lorenzo Municipio
72	045	Comerio Municipio	72	131	San Sebastian Municipio
72	047	Corozal Municipio	72	133	Santa Isabel Municipio
72	049	Culebra Municipio	72	135	Toa Alta Municipio
72	051	Dorado Municipio	72	137	Toa Baja Municipio
72	053	Fajardo Municipio	72	139	Trujillo Alto Municipio
72	054	Florida Municipio	72	141	Utuado Municipio
72	055	Guanica Municipio	72	143	Vega Alta Municipio
			72	145	Vega Baja Municipio

<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>	<u>ST</u>	<u>COU</u>	<u>AREA NAME</u>
72	147	Vieques Municipio			
72	149	Villalba Municipio			
72	151	Yabucoa Municipio			
72	153	Yauco Municipio			
74		U.S. Minor Outlying Islands			
74	300	Midway Islands			
78		Virgin Islands of the United States			
78	010	St. Croix Island			
78	020	St. John Island			
78	030	St. Thomas Island			

APPENDIX B
CENSUS FEATURE CLASS CODES (CFCC)

APPENDIX B
CENSUS FEATURE CLASS CODES (CFCC)

CFCC CLASSIFICATION A = ROAD FEATURES

- A00 Road, Classification Unknown or Not Elsewhere Classified
- A01 Road, undivided
- A02 Road, undivided, in tunnel
- A03 Road, undivided, underpassing
- A04 Road, undivided, rail line in center
- A05 Road, divided
- A06 Road, divided, in tunnel
- A07 Road, divided, underpassing
- A08 Road, divided, rail line in center

- A10 Primary road, interstate highway and limited access road
- A11 Primary road, interstate highway and limited access road, undivided
- A12 Primary road, interstate highway and limited access road, undivided, in tunnel
- A13 Primary road, interstate highway and limited access road, undivided, underpassing
- A14 Primary road, interstate highway and limited access road, undivided, rail line in center
- A15 Primary road, interstate highway and limited access road, divided
- A16 Primary road, interstate highway and limited access road, divided, in tunnel
- A17 Primary road, interstate highway and limited access road, divided, underpassing
- A18 Primary road, interstate highway and limited access road, divided, rail line in center

- A20 Secondary road, U.S. highway not classified A10, and state roads

- A21 Secondary road, U.S. highway not classified A10, and state roads, undivided
- A22 Secondary road, U.S. highway not classified A10, and state roads, undivided, in tunnel
- A23 Secondary road, U.S. highway not classified A10, and state roads, undivided, underpassing
- A24 Secondary road, U.S. highway not classified A10, and state roads, undivided, rail line in center
- A25 Secondary road, U.S. highway not classified A10, and state roads, divided
- A26 Secondary road, U.S. highway not classified A10, and state roads, divided, in tunnel
- A27 Secondary road, U.S. highway not classified A10, and state roads, divided, underpassing
- A28 Secondary road, U.S. highway not classified A10, and state roads, divided, rail line in center

- A30 Connecting road, county roads, and roads not classified as A10 or A20
- A31 Connecting road, county roads, and roads not classified as A10 or A20, undivided
- A32 Connecting road, county roads, and roads not classified as A10 or A20, undivided, in tunnel
- A33 Connecting road, county roads, and roads not classified as A10 or A20, undivided, underpassing
- A34 Connecting road, county roads, and roads not classified as A10 or A20, undivided, rail line in center
- A35 Connecting road, county roads, and roads not classified as A10 or A20, divided
- A36 Connecting road, county roads, and roads not classified as A10 or A20, divided, in tunnel
- A37 Connecting road, county roads, and roads not classified as A10 or A20, divided, underpassing
- A38 Connecting road, county roads, and roads not classified as A10 or A20, divided, rail line in center

- A40 Neighborhood roads, city streets and unimproved roads

- A41 Neighborhood roads, city streets and unimproved roads, undivided
- A42 Neighborhood roads, city streets and unimproved roads, undivided, in tunnel
- A43 Neighborhood roads, city streets and unimproved roads, undivided, underpassing
- A44 Neighborhood roads, city streets and unimproved roads, undivided, rail line in center
- A45 Neighborhood roads, city streets and unimproved roads, divided
- A46 Neighborhood roads, city streets and unimproved roads, divided, in tunnel
- A47 Neighborhood roads, city streets and unimproved roads, divided, underpassing
- A48 Neighborhood roads, city streets and unimproved roads, divided, rail line in center

- A50 Jeep trail, passable only by four-wheel drive (4WD) vehicle
- A51 Jeep trail, passable only by four-wheel drive (4WD) vehicle, undivided
- A52 Jeep trail, passable only by four-wheel drive (4WD) vehicle, undivided, in tunnel
- A53 Jeep trail, passable only by four-wheel drive (4WD) vehicle, undivided, underpassing

- A60 Special Road Feature
- A61 Cul-de-sac
- A62 Traffic circle
- A63 Cloverleaf or interchange
- A64 Service drive
- A65 Ferry crossing

- A70 Other Thoroughfare
- A71 Walkway
- A72 Stairway
- A73 Alley

CFCC CLASSIFICATION B = RAIL FEATURES

- B00 Railroad, Classification Unknown or Not Elsewhere Classified

- B01 Railroad track
 - B02 Railroad track, in tunnel
 - B03 Railroad track, underpassing
-
- B10 Railroad Main Track
 - B11 Railroad main track
 - B12 Railroad main track, in tunnel
 - B13 Railroad main track, underpassing
-
- B20 Railroad Spur Track
 - B21 Railroad spur track
 - B22 Railroad spur track, in tunnel
 - B23 Railroad spur track, underpassing
-
- B30 Railroad Yard
 - B31 Railroad yard
 - B32 Railroad yard, in tunnel
 - B33 Railroad yard, underpassing
-
- B40 Railroad Ferry Crossing
-
- B50 Other Rail Feature
 - B51 Carline
 - B52 Cog railroad, incline railway, or logging tram

CFCC CLASSIFICATION C = PIPELINES, POWER TRANSMISSION LINES, AND
MISCELLANEOUS TRANSPORTATION FEATURES

- C00 Special Transportation Feature, Classification Unknown or Not Elsewhere Classified

- C10 Pipeline
- C20 Power Transmission Line
- C30 Other Special Transportation Feature
- C31 Aerial tramway, monorail, or ski lift

CFCC CLASSIFICATION D = LANDMARK FEATURES

- D00 Landmark Feature, Classification Unknown or Not Elsewhere Classified
- D10 Military installation
- D20 Multihousehold and transient quarters
- D21 Apartment building or complex
- D22 Rooming or boarding house
- D23 Trailer court or mobile home park
- D24 Marina
- D25 Crew of vessel
- D26 Housing facility for workers
- D27 Hotel, motel, resort, spa, YMCA, or YWCA
- D28 Campground
- D29 Shelter or mission
- D30 Custodial facility
- D31 Hospital
- D32 Halfway house
- D33 Nursing home, retirement home, or home for the aged
- D34 County home or poor farm
- D35 Orphanage
- D36 Jail or detention center

- D37 Federal penitentiary, state prison, or prison farm
- D40 Educational or religious institution
- D41 Sorority or fraternity
- D42 Convent or monastery
- D43 Educational institution
- D44 Religious institution
- D50 Transportation terminal
- D51 Airport or airfield
- D52 Train station
- D53 Bus terminal
- D54 Marine terminal
- D55 Seaplane anchorage
- D60 Employment center
- D61 Shopping center or major retail center
- D62 Industrial building or industrial park
- D63 Office building or office park
- D64 Amusement center
- D65 Government center
- D66 Other employment center
- D70 Tower
- D71 Lookout tower
- D80 Open space
- D81 Golf course
- D82 Cemetery
- D83 National park or forest
- D84 Other federal land
- D85 State or local park or forest

- D90 Special purpose landmark
- D91 Post office box ZIP code

CFCC CLASSIFICATION E = OTHER PHYSICAL FEATURES

- E00 Physical Feature, Classification Unknown or Not Elsewhere Classified
- E10 Fence line
- E20 Topographic feature
- E21 Ridge line
- E22 Mountain peak

CFCC CLASSIFICATION F = NONVISIBLE BOUNDARIES

- F00 Nonvisible Boundary, Classification unknown or not Elsewhere Classified
- F10 Nonvisible Political Boundary
- F11 Offset corporate boundary
- F12 Corporate Corridor
- F13 Nonvisible interpolated boundary, polygon definition line for hydrological areas
- F20 Feature Extension, Not Otherwise Classified
- F21 Automated extension
- F22 Irregular block extension
- F23 Closure extension
- F24 Nonvisible separation line
- F25 Nonvisible corporate corridor centerline
- F30 Point-to-Point Line

F40 Property Line

F50 ZIP Code Boundary

F60 Map Edge

F70 Statistical Boundary

F71 1980 Statistical Boundary

F72 1990 Block Boundary

F73 1990 Statistical Boundary

F74 1990 Statistical Boundary, Tabulation Areas Only

CFCC CLASSIFICATION H = HYDROGRAPHIC FEATURES

H00 Water Feature, Classification Unknown or Not Elsewhere Classified

H01 Shoreline of perennial water feature

H02 Shoreline of intermittent water feature

H10 Stream

H11 Perennial stream

H12 Intermittent stream or wash

H13 Braided stream

H20 Canal, Ditch, or Aqueduct

H21 Perennial canal, ditch, or aqueduct

H22 Intermittent canal, ditch, or aqueduct

H30 Lake or pond

H31 Perennial lake or pond

H32 Intermittent lake or pond

H40	Reservoir
H41	Perennial reservoir
H42	Intermittent reservoir
H50	Bay, Estuary, Gulf, Sound, Sea, or Ocean
H51	Bay, estuary, gulf, or sound
H53	Sea or ocean
H60	Gravel Pit or Quarry Filled With Water
H70	Nonvisible Water Area Definition Boundary
H71	USGS closure line
H72	Census computed center line
H73	Census international water boundary, 10-mile limit, area measurement line
H74	Census water boundary, inland or coastal or Great Lakes
H75	3-mile limit water boundary
H80	Special Water Feature
H81	Glacier

CFCC CLASSIFICATION X = FEATURES NOT YET CLASSIFIED

X00 Feature Not Yet Classified

APPENDIX C
DESCRIPTION OF ATTRIBUTES OF TIGER/LINE SEGMENTS

APPENDIX C
DESCRIPTION OF ATTRIBUTES OF TIGER/LINE SEGMENTS

<u>ATTRIBUTE NAME</u>	<u>DATA TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
RT	N	1	RECORD TYPE (Value "1")
VERSION	N	4	VERSION NUMBER
TLID	N	10	RECORD NUMBER (PERMANENT)
SIDE1	N	1	SINGLE-SIDE SEGMENT CODE (VALUE "1" SIGNIFIES DATA EXIST ONLY FOR ONE SIDE OF THE SEGMENT.)
SOURCE	A	1	SOURCE CODE
FEDIRP	A	2	FEATURE DIRECTION, PREFIX
FENAME	A	30	FEATURE NAME
FETYPE	A	4	FEATURE TYPE
FEDIRS	A	2	FEATURE DIRECTION, SUFFIX
CFCC	A	3	CENSUS FEATURE CLASS CODE (CFCC)
FRADDL	A	11	FROM ADDRESS LEFT
TOADDL	A	11	TO ADDRESS LEFT
FRADDR	A	11	FROM ADDRESS RIGHT
TOADDR	A	11	TO ADDRESS RIGHT
FRIADDL	N	1	FROM IMPUTED ADDRESS FLAG LEFT
TOIADDL	N	1	TO IMPUTED ADDRESS FLAG LEFT
FRIADDFR	N	1	FROM IMPUTED ADDRESS FLAG RIGHT
TOIADDFR	N	1	TO IMPUTED ADDRESS FLAG RIGHT
ZIPL	N	5	ZIP CODE LEFT (ONLY WHEN AN ADDRESS RANGE IS PRESENT)
ZIPR	N	5	ZIP CODE RIGHT (ONLY WHEN AN ADDRESS RANGE IS PRESENT)
FAIRL	N	5	FIPS PUB 55 CODE LEFT (AMERICAN INDIAN RESERVATION (AIR), ALASKA NATIVE VILLAGE STATISTICAL AREA (ANVSA), TRIBAL JURISDICTION STATISTICAL AREA (TJSA), TRIBAL DESIGNATED STATISTICAL AREA (TDSA))

AIRR	N	5	FIPS PUB 55 CODE RIGHT (AMERICAN INDIAN RESERVATION (AIR), ALASKA NATIVE VILLAGE STATISTICAL AREA (ANVSA), JURISDICTION STATISTICAL AREA (TJSA), TRIBAL DESIGNATED STATISTICAL AREA (TDSA))
ANRCL	N	2	ALASKA NATIVE REGIONAL CORPORATION CODE LEFT
ANRCR	N	2	ALASKA NATIVE REGIONAL CORPORATION CODE RIGHT
STATEL	N	2	FIPS STATE CODE LEFT
STATER	N	2	FIPS STATE CODE RIGHT
COUNTYL	N	3	FIPS COUNTY CODE LEFT
COUNTYR	N	3	FIPS COUNTY CODE RIGHT
FMCDL	N	5	FIPS PUB 55 CODE LEFT (MCD/CCD)
FMCDR	N	5	FIPS PUB 55 CODE RIGHT (MCD/CCD)
FSMCDL	N	5	FIPS PUB 55 CODE LEFT (SUB-MCD)
FSMCDR	N	5	FIPS PUB 55 CODE RIGHT (SUB-MCD)
FPLL	N	5	FIPS PUB 55 CODE LEFT (PLACE)
FPLR	N	5	FIPS PUB 55 CODE RIGHT (PLACE)
CTBNAL	N	6	CENSUS TRACT/BNA CODE LEFT
	N	4	BASIC NUMBER
	N	2	SUFFIX
CTBNAR	N	6	CENSUS TRACT/BNA CODE RIGHT
	N	4	BASIC NUMBER
	N	2	SUFFIX
BLKL	A	4	TABULATION BLOCK NUMBER LEFT
	N	3	COLLECTION BLOCK NUMBER (NUMERIC)
	A	1	TABULATION SUFFIX (ALPHABETIC)
BLKR	A	4	TABULATION BLOCK NUMBER RIGHT
	N	3	COLLECTION BLOCK NUMBER (NUMERIC)
	A	1	TABULATION SUFFIX (ALPHABETIC)
FRLONG	N	10	LONGITUDE FROM (6 DECIMAL PLACES)
FRLAT	N	9	LATITUDE FROM (6 DECIMAL PLACES)
TOLONG	N	10	LONGITUDE TO (6 DECIMAL PLACES)
TOLAT	N	9	LATITUDE TO (6 DECIMAL PLACES)

APPENDIX D
LISTING OF TIGER5 SOURCE PROGRAM

APPENDIX D

LISTING OF TIGERS SOURCE PROGRAM

```
C*
C* Program.: TIGER5.FOR
C* Author..: R. K. Gryder
C* Phone...: (615) 576-4341, FTS 626-4341, FAX (615) 574-3895
C* Date....: 2/14/92
C* Notice..: Copyright (c) 1992, Oak Ridge National Laboratory
C* Address.: P. O. Box 2008, Oak Ridge, TN 37831-6366
C* Version.: 1.0
C* Notes...: Conversion of Census TIGER/Line data to MapInfo
C* Host....: Macintosh IIcx
C* System..: Version 6.0.5
C* Language: FORTRAN
C* Compiler: MacTran Plus, DCM Data Products, Fort Worth, TX
C*
C***** PROGRAM TO CONVERT TIGER/LINE FILES TO MAPINFO FILES *****
C*
C* THIS PROGRAM COPIES ALL OF THE LINE AND SHAPE POINTS
C* FROM A CENSUS BUREAU TIGER/LINE CD-ROM DISK FOR
C* A COUNTY INTO MAPINFO DATA EXCHANGE FORMAT FILES
C* WHICH MAY BE IMPORTED DIRECTLY TO MAPINFO.
C*
C* THIS PROGRAM IS DESIGNED WITH MEANINFUL VARIABLE NAMES
C* EVEN THOUGH IT DOES NO MANIPULATIONS ON THE VARIABLES
C* EXCEPT FOR LONGITUDE AND LATITUDE, AND MATCHING RECORD IDS.
C* THIS SHOULD MAKE IT EASIER TO ADAPT TO OTHER PURPOSES IF
C* DESIRED.
C*
CHARACTER RT1,VERSION1*4,TLID1*10,SIDE1,SOURCE
CHARACTER FEDIRP*2,FENAME*30,FETYPE*4,FEDIRS*2
CHARACTER CFCC*3,FRADDL*11,TOADDL*11
CHARACTER FRADDR*11,TOADDR*11
CHARACTER FRIADDL,TOIADDL
CHARACTER FRIADDL,TOIADDL,ZIPL*5,ZIPR*5
CHARACTER FAIRL*5,FAIRR*5,ANRCL*2,ANRCR*2
CHARACTER STATEL*2,STATER*2
CHARACTER COUNTYL*3,COUNTYR*3,FMCDL*5,FMCDR*5
CHARACTER FSMCDL*5,FSMCDR*5
CHARACTER FPLL*5,FPLR*5,CTBNAL*6,CTBNAR*6
CHARACTER BLKL*4,BLKR*5
```

```

        REAL*8  FRLONG,FRLAT,TOLONG,TOLAT
C*      CHARACTER RT2,VERSION2*4,TLID2*10
        INTEGER  RTSQ
        REAL*8  TLONG(10),TLAT(10)
C*      REAL*8  LONG(200),LAT(200)
C*      CHARACTER COUNTY*3,STATE*2
        CHARACTER DEV*30,IN1*30,IN2*30,MIDOUT*15,MIFOUT*15
        CHARACTER COLOR*8,CYAN*8,MAGENTA*8,YELLOW*8
        CHARACTER RED*8,GREEN*8,BLUE*8,BLACK*8
        INTEGER DASH,SOLID,THIN,THICK
C*      MapInfo Line Properties Information
C*      RED='16711680'
        GREEN='65280'
        BLUE='255'
        CYAN='65535'
        MAGENTA='16711935'
        YELLOW='16776960'
        BLACK='0'
        DASH=9
        SOLID=2
        THICK=3
        THIN=1
C*      SELECT THE STATE AND COUNTY FOR WHICH YOU WISH TO EXTRACT
C*      DATA
C*      DEFAULTS, Crenshaw County, Alabama -- because its small
        COUNTY='01'
        STATE='041'
C*      Write (*,4600)
4600  FORMAT (' Please enter FIPS code for desired State: ')
4102  FORMAT (A2)
4103  FORMAT (A3)
4601  FORMAT (' Please enter FIPS code for desired County: ')
        READ (*,4102) STATE
        Write (*,4601)
        READ (*,4103) COUNTY
C*      Assume TIGER/Line data are on a CD-ROM Volume named TIGER.
        IN1='TIGER://STATE//'://COUNTY//':TGR//STATE//COUNTY//'.F41;1'
        IN2='TIGER://STATE//'://COUNTY//':TGR//STATE//COUNTY//'.F42;1'
        MIDOUT=STATE//COUNTY//'.MID'
        MIFOUT=STATE//COUNTY//'.MIF'

```

```

C*
C*    OPEN F41 AND F42 FOR INPUT, MID AND MIF FOR OUTPUT
C*
        write (*,4604) IN1
4604    format (' Processing ',a)
              OPEN (10,FILE=in1,STATUS='OLD')
        write (*,4604) IN2
              OPEN (2,FILE=in2,STATUS='OLD')
C*
        Write (*,9090)
9090    Format (' Opening Output Files.')
C*
        OPEN (11,FILE='WAT'//MIFOUT,STATUS='NEW',RECL=80)
        OPEN (12,FILE='WAT'//MIDOUT,STATUS='NEW',RECL=80)
        OPEN (21,FILE='RLS'//MIFOUT,STATUS='NEW',RECL=80)
        OPEN (22,FILE='RLS'//MIDOUT,STATUS='NEW',RECL=80)
        OPEN (31,FILE='HWY'//MIFOUT,STATUS='NEW',RECL=80)
        OPEN (32,FILE='HWY'//MIDOUT,STATUS='NEW',RECL=80)
        OPEN (41,FILE='STR'//MIFOUT,STATUS='NEW',RECL=80)
        OPEN (42,FILE='STR'//MIDOUT,STATUS='NEW',RECL=80)
        OPEN (51,FILE='OTH'//MIFOUT,STATUS='NEW',RECL=80)
        OPEN (52,FILE='OTH'//MIDOUT,STATUS='NEW',RECL=80)
C*
C*    WRITE HEADER TO MIF FILES
C*
        WRITE (11,410)
        WRITE (21,410)
        WRITE (31,410)
        WRITE (41,410)
        WRITE (51,410)
410     FORMAT ('version 1'/'delimiter ","'/'columns 42'/
A   ' Rectyp decimal(1, 0)'/' Version decimal(4, 0)'/
B   ' Recnum char(10)'/' Sidecde decimal(1, 0)'/
C   ' Source char(1)'/' Dirpre char(2)'/' Feanme char(30)'/
D   ' Featyp char(4)'/' Dirsuf char(2)'/' Cfcc char(3)'/
E   ' Fraddl char(11)'/' Toaddl char(11)'/' Fraddr char(11)'/
F   ' Toaddr char(11)'/' Friaddfl decimal(1, 0)'/
G   ' Toiaddfl decimal(1, 0)'/' Friaddfr decimal(1, 0)'/
H   ' Toiaddfr decimal(1, 0)'/' Zipl decimal(5, 0)'/
I   ' Zipr decimal(5, 0)'/' Fairl decimal(5, 0)'/
        WRITE (11,440)
        WRITE (21,440)
        WRITE (31,440)
        WRITE (41,440)
        WRITE (51,440)
440     FORMAT (' Fairr decimal(5, 0)'/' Anrcr decimal(2, 0)'/
A   ' Anrcr decimal(2, 0)'/
B   ' Stl decimal(2, 0)'/' Str decimal(2, 0)'/

```

```

C ' Col decimal(3, 0)'' Cor decimal(3, 0)'/'
D ' Fmcndl decimal(5, 0)'/'
E ' Fmcdr decimal(5, 0)'' Fsmcdl decimal(5, 0)'/'
F ' Fsmcdr decimal(5, 0)'' Fpll decimal(5, 0)'/'
G ' Fplrl decimal(5, 0)'/'
H ' Ctnal decimal(6, 0)'' Ctnar decimal(6, 0)'/'
I ' Blkl char(4)''/
J ' Blkr char(4)'' Fromlong decimal(10, 6)'/'
K ' Fromlat decimal(9, 6)''/
L ' Tolong decimal(10, 6)'' Tolat decimal(9, 6)''data'//)

C*
C*      READ A RECORD FROM F42
C*
        READ (2,4402) RT2,VERSION2,TLID2,RTSQ,
        X      (TLONG(I),TLAT(I),I=1,10)
4402  FORMAT (A1,A4,A10,I3,10(F10.6,F9.6))
402   FORMAT (1x,A1,A4,A10,I3,10(F10.6,F9.6))
c*      read first record from F41
        READ (10,4401,END=9999) RT1,VERSION1,TLID1,SIDE1,SOURCE,FEDIRP,
        A  FENAME,FETYPE,FEDIRS,CFCC,FRADDL,TOADDL,FRADDR,TOADDR,
        B  FRIADDL,TOIADDL,FRIADDL,TOIADDL,TOIADDL,ZIPL,ZIPR,
        C  FAIRL,FAIRR,ANRCL,ANRCR,STATEL,STATER,COUNTYL,COUNTYR,
        D  FMCDL,FMCDR,FSMCDL,FSMCDR,FPLL,FPLR,CTBNAL,CTBNAR,
        E  BLKL,BLKR,FRLONG,FRLAT,TOLONG,TOLAT
C*
        go to 1100
C*
C*****                                 *
C*      READ A RECORD FROM F41          *
C*                                         *
C*      LOOP UNTIL EOF ON F41 IS REACHED  *
C*                                         *
C*****                                 *
c*
1000  READ (10,401,END=9999) RT1,VERSION1,TLID1,SIDE1,SOURCE,FEDIRP,
      A  FENAME,FETYPE,FEDIRS,CFCC,FRADDL,TOADDL,FRADDR,TOADDR,
      B  FRIADDL,TOIADDL,FRIADDL,TOIADDL,TOIADDL,ZIPL,ZIPR,
      C  FAIRL,FAIRR,ANRCL,ANRCR,STATEL,STATER,COUNTYL,COUNTYR,
      D  FMCDL,FMCDR,FSMCDL,FSMCDR,FPLL,FPLR,CTBNAL,CTBNAR,
      E  BLKL,BLKR,FRLONG,FRLAT,TOLONG,TOLAT
C*
401   FORMAT (1X,A1,A4,A10,2A1,A2,A30,A4,A2,A3,4A11,4A1,4A5,4A2,
           A      2A3,6A5,2A6,2A4,2(F10.6,F9.6))
4401  FORMAT (A1,A4,A10,2A1,A2,A30,A4,A2,A3,4A11,4A1,4A5,4A2,
           A      2A3,6A5,2A6,2A4,2(F10.6,F9.6))
C*
C*      At this point, we can make a decision about how we want

```

```

C*      to display this feature.
C*
c*      Water
1100      if (index(CFCC,'H').eq.1) then
            mif=11
            mid=12
            lwidth=THIN
            ltype=DASH
            color=BLUE
        else
c*      Railroads
        if (index(CFCC,'B').eq.1) then
            mif=21
            mid=22
            lwidth=THICK
            ltype=DASH
            color=RED
        else
c*      Highways
        if ((index(CFCC,'A1').eq.1).or.(index(CFCC,'A2').eq.1)) then
            mif=31
            mid=32
            lwidth=THICK
            ltype=SOLID
            color=BLACK
        else
c*      Streets
        if (index(CFCC,'A').eq.1) then
            mif=41
            mid=42
            lwidth=THIN
            ltype=SOLID
            color=BLACK
        else
c*      Other
            mif=51
            mid=52
            lwidth=THIN
            ltype=DASH
            color=GREEN
        endif
    endif
endif
endif
C*
C*      WRITE INFO TO MID
C*
        WRITE (mid,411) RT1,VERSION1,TLID1,SIDE1,SOURCE,

```

```

A FEDIRP,FENAME,FETYPE,
A FEDIRS,CFCC,FRADDL,TOADDL,FRADDR,TOADDR,FRIADDFL,
B TOIADDFL,FRIADDFR,TOIADDFR,ZIPL,ZIPR,FAIRL,FAIRR,
C ANRCL,ANRCR,STATEL,STATER,COUNTYL,COUNTYR,FMCDL,FMCDR,
D FSMCDL,FSMCDR,FPLL,FPLR,CTBNAL,CTBNAR,BLKL,BLKR,
E -FRLONG,FRLAT,-TOLONG,TOLAT
411  FORMAT (A1,',',A4,',',A10,',',2(A1,','),
A A2,',',A30,',',A4,',',A2,',',
B A3,',',4(A11,','),4(A1,','),
C 4(A5,','),4(A2,','),2(A3,','),
D 6(A5,','),2(A6,','),2(A4,','),4(F12.6,',')) )
C*
C***** ****
C*
C*      IF ID2 < > ID1 WRITE NODES TO MIF /* NO SHAPE FOR THIS LINE */
C*
2000  IF (TLID1 .NE. TLID2) THEN
C**
C**          /* COPY THIS LINE TO MIF AND READ ANOTHER RECORD FROM
F41 */
C**          WRITE STRT_NODE, END_NODE TO MIF
C**
        WRITE (mif,423) -FRLONG,FRLAT,-TOLONG,TOLAT
423    FORMAT ('LINE ',4F12.6)
        WRITE (mif,445) lwidth,ltype,trim(color)
445    FORMAT ('pen(',i1,',',i1,',',0,',',a,')')
C**
C***** ****
C**
C*          IF ID2 = ID1 THEN WE HAVE INTERMEDIATE SHAPE POINTS.
C*          WE MUST COUNT AND SEE HOW MANY THERE ARE....
C*
        ELSE
C**          IF (TLID1 .EQ. TLID2) THEN
C**
C**              READ THE SHAPE RECORDS FROM F42
C**                  /* ON EOF SET ID2=9999999999 */
C**              COUNT THE NUMBER INTO NVRTX
        NVRTX = 0
C*      Scan points on shape record to see how many there are
2005  DO 2010 I = 1,10
        IF (TLONG(I) .EQ. 0 .OR. TLAT(I) .EQ. 0) THEN
            READ (2,402,END=2016) RT2,VERSION2,TLID2,RTSQ,
X             (TLONG(II),TLAT(II),II=1,10)
            GO TO 2020
C*          No more shape points for this ARC
        END IF
            NVRTX = NVRTX+1

```

```

        IF (NVRTX.gt.200) then
          write (*,9400)
9400      format (' ** ERROR ** More than 200 shape points!')
          top
        endif
        LONG(NVRTX) = TLONG(I)
        LAT(NVRTX) = TLAT (I)
2010      CONTINUE
          SAVESQ=RTSQ
          READ (2,402,END=2016) RT2,VERSION2,TLID2,RTSQ,
X          (TLONG(I),TLAT(I),I=1,10)
C**      IF (RTSQ .NE. SAVESQ+1) "RECORDS OUT OF SEQUENCE"
          IF (NVRTX .EQ. 200) GO TO 2020
          IF (TLID1 .EQ. TLID2) GO TO 2005
C**
C**      WRITE STRT_NODE TO MIF
C**
          GO TO 2020
2016      TLID2=' '
C*
2020      WRITE (mif,421) NVRTX+2,-FRLONG,FRLAT
421      FORMAT ('PLINE ',I5/2F12.6)
C**
C**      WRITE VERTICES FROM F42 TO MIF /* COPY SHAPE TO MIF */
C**
          DO 2090 I=1,NVRTX
          WRITE (mif,422) -LONG(I),LAT(I)
422      FORMAT (2F12.6)
2090      CONTINUE
C**
C**      WRITE END_NODE TO MIF
C**
          WRITE (mif,422) -TOLONG,TOLAT
          WRITE (mif,445) lwidth,ltype,trim(color)
C**
C***** ****
C**
          IF (NVRTX .EQ. 200) GO TO 1100

        END IF
        GO TO 1000
C*
C***** ****
C*      END OF LOOP
C*
C*      CLOSE ALL FILES
C*
9999      write (*,9998)

```

9998 Format (' Processing Complete!')
END

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