TIGER/Line® Shapefiles

2019

Technical Documentation

United States™ Census Bureau

Issued September

SUGGESTED CITATION

FILES:
2019 TIGER/Line Shapefiles (machine-readable data files) / prepared by the U.S. Census Bureau, 2019

TECHNICAL DOCUMENTATION:
2019 TIGER/Line Shapefiles Technical Documentation / prepared by the U.S. Census Bureau, 2019

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1. Introduction

1.1 What is a Shapefile?

A shapefile is a geospatial data format for use in geographic information system (GIS) software. Shapefiles spatially describe vector data such as points, lines, and polygons, representing, for instance, landmarks, roads, and lakes. The Environmental Systems Research Institute (Esri) created the format for use in their software, but the shapefile format works in additional Geographic Information System (GIS) software as well.

1.2 What are TIGER/Line Shapefiles?

The TIGER/Line Shapefiles are the fully supported, core geographic product from the U.S. Census Bureau. They are extracts of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) database. The shapefiles include information for the fifty states, the District of Columbia, Puerto Rico, and the Island areas (American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, and the United States Virgin Islands). The shapefiles include polygon boundaries of geographic areas and features, linear features including roads and hydrography, and point features. They do not contain any sensitive data.

1.3 Relationship of the TIGER/Line Shapefiles to Census Statistical Data

The TIGER/Line Shapefiles contain a standard geographic identifier for each entity that links to the geographic identifier in the data from censuses and surveys. They do not include demographic data from surveys and censuses, such as the Decennial Census, Economic Census, American Community Survey, and the Population Estimates Program. Other, non-census, data often have this standard geographic identifier as well. Data from many of the Census Bureau's surveys and censuses, including the geographic codes needed to join to the TIGER/Line Shapefiles, are available in American FactFinder (https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html). For more information regarding the geographic entity codes, please refer to Section 2.2.7 Codes for Geographic Entities.

In addition to the TIGER/Line Shapefiles, the Census Bureau creates additional shapefiles and geodatabases that include demographic data. These are an as-is products and are created by Census Bureau staff as time permits. All shapefiles and geodatabases with demographic data are available at: https://www.census.gov/programs-surveys/geography.html.

1.4 History and Sources of TIGER/Line Files and Shapefiles

The first release of the TIGER/Line Files was in 1989. These files provided the first nationwide street centerline coverage of the United States, Puerto Rico, and the Island Areas in a series of ASCII format fixed tables or record types. Initially, the Census Bureau used the U.S. Geological Survey (USGS) 1:100,000-scale Digital Line Graph (DLG), USGS 1:24,000-scale quadrangles, the Census Bureau's 1980 geographic base files (GBF/DIME Files), and a variety of miscellaneous maps for selected areas outside the contiguous 48 states to create the TIGER database (predecessor to the current MAF/TIGER database). The Census Bureau released versions of the TIGER/Line Files periodically throughout the 1990s and 2000s in ASCII format. Beginning with the 2007 version, the format of the TIGER/Line Files changed from the ASCII file format to shapefile.

The Census Bureau continually makes additions and corrections to its database, mainly through partner supplied data, the use of aerial imagery, and fieldwork. The Census Bureau has numerous partner programs where federal, state, and local government partners' supply updates to boundaries, features, and addresses. In the 2000's, the Census Bureau underwent a major realignment of the TIGER database to improve the spatial accuracy of the road network. Since this realignment, the Census Bureau has added quality standards for data sources used to update the MAF/TIGER database.

1.5 TIGER/Line Shapefile Legal Disclaimers

No warranty, expressed or implied, is made with regard to the accuracy of the data in the TIGER/Line Shapefiles, and no liability is assumed by the United States Government in general, or the Census Bureau specifically, as to the positional or attribute accuracy of the data. The boundary information in the TIGER/Line Shapefiles is for statistical data collection and tabulation purposes only. Their depiction and designation for statistical purposes does not constitute a determination of jurisdictional authority or rights of ownership or entitlement and they are not legal land descriptions.

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1.6 Contact and Citation Information

Members of the public can obtain the TIGER/Line Shapefiles free of charge through the Census Bureau's website, and should direct questions about these files to the Spatial Data Collection and Products Branch, Geography Division, U.S. Census Bureau. If you obtain the TIGER/Line Shapefiles from a third party, we recommend you contact that vendor for assistance as it is possible that they made changes to the files that we are unaware of or unable to support.

Spatial Data Collection and Products Branch
Geography Division, U.S. Census Bureau
4600 Silver Hill Road
Washington, DC 20233-7400
Office: (301) 763-1128
E-mail: geo.geography@census.gov

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2. About the 2019 TIGER/Line Shapefiles

2.1 What is in the 2019 TIGER/Line Shapefiles

The 2019 TIGER/Line Shapefiles contain current geography for the United States, the District of Columbia, Puerto Rico, and the Island areas. Current geography in the 2019 TIGER/Line Shapefiles generally reflects the boundaries of governmental units in effect as of January 1, 2019, and other legal and statistical area boundaries adjusted and/or corrected since the 2010 Census. This vintage includes boundaries of governmental units that match the data from the surveys that use 2019 geography, such as the 2019 Population Estimates and the 2019 American Community Survey.

The 2019 TIGER/Line Shapefiles contain the geographic extent and boundaries of both legal and statistical entities. A legal entity is a geographic entity whose boundaries, name, origin, and area description result from charters, laws, treaties, or other administrative or governmental action. A statistical entity is any geographic entity or combination of entities identified and defined solely for the tabulation and presentation of data. The Census Bureau delineates statistical entity boundaries, and these entities have no governmental standing.

In addition to geographic boundaries, the 2019 TIGER/Line Shapefiles also include geographic feature shapefiles and relationship files. Feature shapefiles represent the point, line and polygon features in the MAF/TIGER database, like roads and rivers. Relationship files contain additional attribute information users can join to the shapefiles. In this release, both the feature shapefiles and relationship files reflect updates made in the database through May 2019.

To see how the geographic entities relate to one another, please see our geographic hierarchy diagrams here:
https://www.census.gov/programs-surveys/geography/guidance/hierarchy.html.

The legal entities included in these shapefiles are:

American Indian off-reservation trust lands
American Indian reservations (both federally and state-recognized)
American Indian tribal subdivisions (within legal American Indian areas)
Alaska Native Regional Corporations
Congressional districts – 116th Congress
Consolidated cities
Counties and equivalent entities (except census areas in Alaska)
Estates (U.S. Virgin Islands only)
Hawaiian home lands
Incorporated places
Minor civil divisions (MCDs, such as towns and townships in the Northeast and Midwest)
School districts (elementary, secondary, and unified)
States and equivalent entities
State legislative districts (upper and lower chambers)
Subbarrios (Subminor civil divisions) (Puerto Rico only)

The statistical entities included in these shapefiles are:

Alaska Native village statistical areas
American Indian/Alaska Native statistical areas

American Indian tribal subdivisions (within Oklahoma tribal statistical areas)
Block groups
Census areas (statistical county equivalents in Alaska)
Census blocks
Census county divisions (CCDs), census subareas (in Alaska), and unorganized territories (statistical county subdivisions)
Census designated places (CDPs)
Census tracts
Combined New England city and town areas
Combined statistical areas
Metropolitan and micropolitan statistical areas and related statistical areas
Metropolitan divisions
New England city and town areas
New England city and town area divisions
Oklahoma tribal statistical areas
Public use microdata areas (PUMAs)
State designated tribal statistical areas
Tribal designated statistical areas
Urban areas
ZIP Code tabulation areas (ZCTAs)

The feature shapefiles and relationship files are:

Address range-feature
Address range-feature name relationship file
Address ranges
All lines (called Edges)
All roads
Area hydrography
Area landmark
Coastline
Feature names relationship file
Linear hydrography
Point landmark
Primary and secondary roads
Primary roads
Topological faces (polygons with all geocodes)
Topological faces – area landmark relationship file
Topological faces – area hydrography relationship file
Topological faces – military installations relationship file

Table 1 shows the geographic entities and features available in nation-, state-, or county-based files for the 2019 TIGER/Line Shapefiles.

Table 1: 2019 Shapefile availability

Layer	Nation-Based File	State-Based File	County-Based File
Address Range-Feature			X
Alaska Native Regional Corporation		X	
All Lines (Edges)			X
All Roads			X
American Indian Tribal Subdivision	X		
American Indian/Alaska Native/Native Hawaiian Areas	X		
Area Hydrography			X
Area Landmark		X	
Block		X	
Block Group		X	
Census Tract		X	
Coastline	X		
Combined New England City and Town Area	X		
Combined Statistical Area	X		
Congressional District – 116th Congress	X		
Consolidated City		X	
Core Based Statistical Areas	X		
County and Equivalent	X		
County Subdivision		X	
Elementary School District		X	
Estates		X	
Linear Hydrography			X
Metropolitan Divisions	X		
Military Installation	X		
New England City and Town Area	X		
New England City and Town Division	X		
Place		X	
Point Landmark		X	
Primary and Secondary Roads		X	
Primary Roads	X		
Public Use Microdata Area		X	
Rails	X		
Secondary School District		X	
State and Equivalent	X		
State Legislative District – Lower Chamber		X	
State Legislative District – Upper Chamber		X	
Subbarrio		X	
Topological Faces (Polygons with All Geocodes)			X
Tribal Block Group	X		
Tribal Census Tract	X		
Unified School District		X	
Urban Areas	X		
ZIP Code Tabulation Area	X		

Table 2 shows the relationship files available in nation-, state-, or county-based levels for the 2019 TIGER/Line Shapefiles.

Table 2: 2019 Relationship file availability

Layer	Nation-Based File	State-Based File	County-Based File
Address Range-Feature Name			X
Address Ranges			X
Feature Names			X
Topological Faces – Area Landmark		X	
Topological Faces – Area Hydrography			X
Topological Faces – Military Installations	X		

2.2 Structure and Format

2.2.1 Structure

The Census Bureau provides 2019 TIGER/Line Shapefiles and associated relationship files in a compressed format. One zipped file is available for each layer, with a file extension of .zip. Each zipped shapefile consists of the following seven files:

- .shp – the feature geometry
- .shx – the index of the feature geometry
- .cpg – used to identify character encoding
- .dbf – the tabular attribute information
- .prj – the coordinate system information
- .shp.iso.xml - the International Organization for Standardization (ISO 191) metadata
- .shp.ea.iso.xml - the ISO 191 (entity and attribute) metadata

Each zipped relationship file consists of the following four files:

- .cpg – used to identify character encoding
- .dbf – the tabular attribute information
- .dbf.iso.xml - the International Organization for Standardization (ISO 191) metadata
- .dbf.ea.iso.xml - the ISO 191 (entity and attribute) metadata

2.2.2 File Naming Conventions

The name of each file is:

tl_2019_<extent>_<layer>.<ext>

Where:

tl = TIGER/Line
2019 = the version of the files

<extent> = parent geography entity ID code (variable length of two to five characters)
The entity ID code identifies the geographic extent by specific entity for which the file contains data. It is of variable length depending on the type of file:

Nation-based: 2-character abbreviation – “us”
State-based: 2-character numeric state FIPS code
County-based: 5-character numeric state and county FIPS code

<layer> = layer tag of variable length
The layer tag specifies the type of geography or feature the file contains.

<ext> = the file extension

Examples:

Nation-based shapefile: County and Equivalent shapefile
File Name: tl_2019_us_county.shp

State-based shapefile: State and Equivalent shapefile for Maryland
File Name: tl_2019_24_state.shp

County-based shapefile: All Lines shapefile for Cayuga County, New York
File Name: tl_2019_36011_edges.shp

2.2.3 Datum (GCS NAD 83)

Each shapefile contains a .prj file that contains the GIS industry standard well-known text (WKT) format to describe the coordinate system/projection/datum information for each shapefile. All Census Bureau generated shapefiles are in Global Coordinate System North American Datum of 1983 (GCS NAD83). Each .prj file contains the following:

GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.0174532925199433295]]

2.2.4 Metadata

Metadata are organized data files used to capture the basic descriptive characteristics about the data. For example, metadata will describe the quality, purpose, spatial extent, and history of a particular dataset. The metadata files are compatible with a text editor, web browser, or Esri’s ArcCatalog. The TIGER/Line Shapefiles metadata provide a detailed description of the TIGER/Line Shapefiles and relationship files. This includes publication date, contact information, and all of the valid attribute values and descriptions. Users should refer to the metadata files for extensive documentation about the contents of the shapefiles and relationship files. The All Lines metadata also contains a Spatial Metadata Identifier (SMID), which identifies the source of the coordinates for each edge and the horizontal spatial accuracy information for a particular line. Please note that the horizontal spatial accuracy refers only to those edges identified as matched to the source with that accuracy. It is not the spatial accuracy of the All Lines shapefile as a whole. For more information regarding the All Lines Shapefile, please refer to Section 3.12, Linear Features.

The Census Bureau provides metadata for each shapefile and relationship file in an Extensible Markup Language (XML) format.

- International Organization for Standardization (ISO 191) Content Standard for Digital Geospatial Metadata
    - .shp.iso.xml and .shp.ea.iso.xml
    - .dbf.iso.xml and .dbf.ea.iso.xml

Please note that in order to see the entire metadata element values, the ISO 19139 stylesheet must be specified when using Esri's ArcCatalog.

2.2.5 Spatial Accuracy of Linear Features

In order to maintain a current geographic database from which to extract the TIGER/Line Shapefiles, the Census Bureau uses various internal and external processes to update the MAF/TIGER database. While it has made a reasonable and systematic attempt to gather the most recent information available about the features each file portrays, the Census Bureau cautions users that the files are no more complete than the source documents used in their compilation, the vintage of those source documents, and the translation of the information on those source documents.

2.2.6 Coordinates

Coordinates in the TIGER/Line Shapefiles have six decimal places, but the positional accuracy of these coordinates may not be as great as the six decimal places suggest. The spatial accuracy varies with the source materials used. The Census Bureau cannot specify the spatial accuracy of features changed or added by its field staff or through local updates, features derived from the GBF/DIME Files (TIGER's predecessor in 1970 and 1980), or other map or digital sources. Thus, the level of spatial accuracy in the TIGER/Line Shapefiles makes them unsuitable for high-precision measurement applications such as engineering problems, property transfers, or other uses that might require highly accurate measurements of the earth's surface. The U.S. Government in general and the Census Bureau specifically makes no warranty, expressed or implied, with regard to the accuracy of these data, and assumes no liability as to the spatial or attributes accuracy.

2.2.7 Codes for Geographic Entities

The 2019 TIGER/Line Shapefiles includes the American National Standards Institute (ANSI) codes to identify both legal and statistical entities. The ANSI codes are a standardized set of numeric or alphabetic codes issued by the American National Standards Institute (ANSI) to ensure uniform identification of geographic entities through all federal government agencies.

The ANSI publications include both the Federal Information Processing Series (FIPS) codes and the United States Geological Survey's Geographic Names Information System (GNIS) codes. The FIPS codes appear in the 2019 TIGER/Line Shapefiles in fields such as "STATEFP", where "FP" indicates that the field contains a FIPS code. The GNIS codes are a permanent numeric identifier of up to eight digits. The GNIS codes appear in fields such as "STATENS", where "NS" (National Standard) indicates that the field contains a GNIS code. The Census Bureau stores the GNIS code as a fixed-width string; the official code is a numeric value without leading zeroes. The GNIS code is available beginning in the 2010 TIGER/Line Shapefiles. For geographic entities not covered by ANSI, the Census Bureau assigns a code and these appear in fields such as "TRACTCE", where "CE" stands for Census. Finally, state-submitted codes end in "ST", such as "SLDLST", and local education agency codes end in "LEA", as in "ELSDLEA".

For more information about ANSI codes, please visit:
https://www.census.gov/library/reference/code-lists/ansi.html.

2.3 File Changes and Updates for the 2019 TIGER/Line Shapefiles

2.3.1 List of files

The 2019 TIGER/Line Shapefiles include the following updates:

- No Changes for 2019

- The following shapefiles may have boundary updates:
  - County and equivalents
  - County subdivisions
  - Places
  - School districts
  - State legislative districts

2.3.2 Boundary Changes

Most of the boundaries of federally recognized American Indian Reservations and off-reservation trust lands, tribal subdivisions, states and equivalent entities, counties and equivalent entities, minor civil divisions (MCDs), consolidated cities, and incorporated places generally are those that were legally in effect as of January 1, 2019. The Boundary and Annexation Survey (BAS) collects boundaries of legal areas.

For more information about the BAS, please visit:
https://www.census.gov/programs-surveys/bas.html.

For more information about specific boundary changes, please visit:
https://www.census.gov/geographies/reference-files/time-series/geo/bas/annex.html.

For nearly all statistical areas, the boundaries shown are those in effect at the time of the 2010 Census. However, there are a few exceptions. Current geography may differ from 2010 Census geography due to feature updates that cause boundary shifts. For example, if a street feature that acts as a census tract boundary moves, then the census tract boundary will move as well. In addition, census tract boundaries may change to maintain comparability with related geographies, such as incorporated places. If a census tract boundary coincides with an incorporated place boundary, and the place boundary changes, the census tract boundary may change if the population affected in the census tract is low. Census designated places (CDPs) may also change throughout the decade, and as time permits, the Census Bureau adds new CDPs to the database. In addition, because unorganized territories and CDPs occupy the same level of geography as legal MCDs and incorporated places, updates to the legal boundaries may affect the current boundaries for some of these entities, including the elimination of some of the statistical entities.

3. Geographic Shapefile Concepts Overview

The following sections describe the geographic entity type displayed in each shapefile, as well as the record layout for each file, in alphabetical order. A listing of all available shapefiles, including vintage and geographic level (state, county, and national), precedes the description of the entity type.

3.1 American Indian / Alaska Native / Native Hawaiian (AIANNH) Areas

3.1.1 Alaska Native Regional Corporations (ANRCs)

Alaska Native Regional Corporations geography and attributes are available for Alaska in the following shapefile:

Alaska Native Regional Corporation (ANRC) State Shapefile (Current)

ANRCs are corporations created according to the Alaska Native Claims Settlement Act (Pub. L. 92–203, 85 Stat. 688 (1971); 43 U.S.C. 1602 et seq. (2000)). The laws of the State of Alaska organize "Regional Corporations" to conduct both the for-profit and non-profit affairs of Alaska Natives within defined regions of the state. The Census Bureau treats ANRCs as legal geographic entities. Twelve ANRCs cover the entire State of Alaska except for the area within the Annette Island Reserve (an American Indian Reservation under the governmental authority of the Metlakatla Indian Community). There is a thirteenth ANRC that represents the eligible Alaska Natives living outside of Alaska that are not members of any of the twelve ANRCs within the State of Alaska. Because it has no defined geographic extent, this thirteenth ANRC does not appear in the TIGER/Line Shapefiles and the Census Bureau does not provide data for it. The Census Bureau offers representatives of the twelve ANRCs the opportunity to review and update the ANRC boundaries. TIGER/Line Shapefiles represent ANRCs with a 5-character FIPS code unique within Alaska and a nationally unique 8-character National Standard (GNIS) code.

3.1.1.1 Alaska Native Regional Corporation (ANRC) Shapefile Record Layout (Current)

File Name: tl_2019_02_anrc.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
ANRCFP	5	String	Current Alaska Native Regional Corporation FIPS code
ANRCNS	8	String	Current Alaska Native Regional Corporation GNIS code
GEOID	7	String	Alaska Native Regional Corporation identifier; a concatenation of Current state FIPS code and Alaska Native Regional Corporation code
NAME	100	String	Current Alaska Native Regional Corporation name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for Alaska Native Regional Corporation
LSAD	2	String	Current legal/statistical area description code for Alaska Native Regional Corporation

Field	Length	Type	Description
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER feature class code (G2200)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.1.2 American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas

American Indian, Alaska Native, and Native Hawaiian area geography and attributes are available in the following shapefile:

American Indian/Alaska Native/Native Hawaiian (AIANNH) Area National Shapefile (Current)

This shapefile contain both legal and statistical American Indian, Alaska Native, and Native Hawaiian entities for which the Census Bureau publishes data. The legal entities consist of federally recognized American Indian reservations and off-reservation trust land areas, state-recognized American Indian reservations, and Hawaiian home lands (HHLs). American Indian tribal subdivisions and Alaska Native Regional Corporations (ANRCs) are additional types of legal entities, displayed in separate shapefiles discussed in this chapter. The statistical entities displayed in these shapefiles are Alaska Native village statistical areas (ANVSAs), Oklahoma tribal statistical areas (OTSAs), tribal designated statistical areas (TDSAs), and state designated tribal statistical areas (SDTSAs). A list of area definitions follows this section.

The American Indian/Alaska Native/Native Hawaiian (AIANNH) Area shapefiles contain a unique polygon record for each American Indian reservation or off-reservation trust land, Hawaiian home land, Alaska Native Village statistical area, and American Indian statistical geographic entity. For example, the Fort Peck Indian Reservation will have two records: one for the reservation portion and another for the off-reservation trust land portion. Entities with only a single component, such as a Hawaiian home land, Alaska Native Village statistical area, American Indian statistical geographic entity, reservation without any associated off-reservation trust land, or an entity that is only off-reservation trust land, will contain a single record.

American Indian, Alaska Native, and Native Hawaiian areas cannot overlap another tribal entity. Exceptions are tribal subdivisions, which subdivide some American Indian entities, and Alaska Native village statistical areas (ANVSAs), which exist within Alaska Native Regional Corporations (ANRCs). In cases where more than one tribe claims jurisdiction over an area, the Census Bureau creates a joint-use area as a separate entity to define this area of dual claims.

Legal Entity Definitions

American Indian Reservations—Federal (federal AIRs) are areas set aside by the United States for the use of federally recognized tribes. The exterior boundaries of federal AIRs are defined in tribal treaties, agreements, executive orders, federal statutes, secretarial orders, and/or judicial determinations. The Census Bureau recognizes federal reservations as territory over which American Indian tribes have governmental authority. These entities are known as colonies, communities, Indian colonies, Indian communities, Indian Rancherias, Indian Reservations, Indian villages, pueblos, rancherias, ranches, reservations, reserves, settlements, villages, or other descriptions. The Bureau of Indian Affairs within the

U.S. Department of Interior regularly publishes a list of federally recognized tribal governments in the Federal Register. The Census Bureau contacts representatives of these federally recognized American Indian tribal governments to identify the boundaries for federal reservations. Federal reservations may cross state, county, county subdivision, and/or place boundaries.

To obtain the list of federally recognized tribal governments and for more detailed information regarding tribal governments, please visit the Bureau of Indian Affairs website at: http://www.bia.gov/.

Each federal AIR and reservation equivalent joint-use area is assigned a nationally unique 4-character census code ranging from 0001 through 4999. These census codes are assigned in alphabetical order of AIR names nationwide, except that joint-use areas appear at the end of the code range (4900 to 4999). Federal AIRs and reservation equivalent joint-use areas are also assigned a nationally unique 8-character National Standard (GNIS) code.

American Indian Reservations—State (state AIRs) are established by some state governments for tribes recognized by the state. A governor-appointed state liaison provides the names and boundaries for state-recognized American Indian reservations to the Census Bureau. State reservations may cross county, county subdivision, and/or place boundaries.

Each state American Indian reservation is assigned a nationally unique 4-character census code ranging from 9000 through 9499. Each state AIR also is assigned a nationally unique 8-character National Standard (GNIS) code.

American Indian Trust Lands are areas for which the United States holds title in trust for the benefit of a tribe (tribal trust land) or for an individual American Indian tribal member (individual trust land or allotment). Trust lands may be located on (on-reservation) or off an American Indian reservation (off-reservation). The Census Bureau recognizes and tabulates data for reservations and off-reservation trust lands (ORTLs) because American Indian tribes have governmental authority over these lands. Tribal governmental authority generally applies to lands located off the reservation only when the lands are in trust status. In Census Bureau data tabulations, ORTLs are always associated with a specific federally recognized reservation and/or tribal government. A tribal government appointed liaison provides the name and boundaries of their ORTLs. The Census Bureau does not identify on-reservation trust land, fee land (or land in fee simple status), or restricted fee lands as specific geographic categories and they are not identified as such in the TIGER/Line Shapefiles.

Hawaiian Home Lands (HHLs) are areas held in trust for Native Hawaiians by the State of Hawaii, according to the Hawaiian Homes Commission Act of 1920, as amended. Based on a compact between the federal government and the new State of Hawaii in 1959, the Hawaii Admission Act vested land title and responsibility for the program with the State. An HHL is not a governmental unit; rather, a home land is a tract of land with a legally defined boundary that is owned by the state, which, as authorized by the Act, may lease to one or more Native Hawaiians for residential, agricultural, commercial, industrial, pastoral, and/or any other activities authorized by state law. The Census Bureau obtains the names and boundaries for Hawaiian home lands from State officials. The names of the home lands are based on the traditional ahupua'a names of the Crown and government lands of the Kingdom of Hawaii from which the lands were designated or from the local name for an area.

Being lands held in trust, Hawaiian home lands are treated as equivalent to off-reservation trust land areas with an AIANNH area trust land indicator coded as “T”. Each Hawaiian home land area is assigned a nationally unique 4-character census code ranging from 5000 through 5499 based on the alphabetical

sequence of each HHL name. Each Hawaiian home land is also assigned a 5-character FIPS code in alphabetical order within the State of Hawaii and a nationally unique 8-character National Standard (GNIS) code.

Joint-Use Areas designate land administered jointly and/or claimed by two or more federally recognized American Indian tribes. The Census Bureau designates both legal and statistical joint-use areas as unique geographic entities for presenting statistical data. Joint-use areas only apply to overlapping federally recognized American Indian reservations and/or off-reservation trust lands.

Each Joint-Use Area is assigned a nationally unique 4-character census code ranging from 4800 through 4999 and a nationally unique 8-character National Standard (GNIS) code.

Statistical Entity Definitions

Alaska Native Village Statistical Areas (ANVSAs) are a statistical geographic entity that represents the residences, permanent and/or seasonal, for Alaska Natives who are members of or are primarily receiving governmental services from the defining Alaska Native village (ANV) and that are located within the region and vicinity of the ANV's historic and/or traditional location. ANVSAs represent the relatively densely settled portion of each ANV and ideally include only an area where Alaska Natives, especially members of the defining ANV, represent a significant proportion of the population during at least one season of the year (at least three consecutive months). Officials of the ANV delineated or reviewed ANVSA boundaries. If no ANV official chose to participate in the delineation process, officials of the non-profit Alaska Native Regional Corporation (ANRC) in which the ANV is located delineated or reviewed the boundaries. In some cases, if neither the ANV nor ANRC official chose to participate in the delineation process, the Census Bureau reviewed and delineated the ANVSA. An ANVSA may not overlap the boundary of another ANVSA or an American Indian reservation.

Each ANVSA is assigned a nationally unique 4-character census code ranging from 6000 to 7999 based on the alphabetical sequence of each ANVSA's name. Each ANVSA is also assigned a nationally unique 8-character National Standard (GNIS) code.

Joint-Use Areas designate land administered jointly and/or claimed by two or more American Indian tribes. The Census Bureau designates both legal and statistical joint-use areas as unique geographic entities for presenting statistical data. Statistical joint-use areas only apply to overlapping Oklahoma tribal statistical areas.

Oklahoma Tribal Statistical Areas (OTSAs) are statistical entities identified and delineated by the Census Bureau in consultation with federally recognized American Indian tribes that formerly had a reservation in Oklahoma. The boundary of an OTSA is generally that of the former reservation in Oklahoma, except where modified by agreements with neighboring federally recognized tribes that are eligible to delineate an OTSA. Tribal subdivisions can exist within the statistical Oklahoma tribal statistical areas. Each OTSA is assigned a nationally unique 4-character census code ranging from 5500 through 5999 based on the alphabetical sequence of each OTSA's name, except that the joint-use areas appear at the end of the code range. Each OTSA also is assigned a nationally unique 8-character National Standard (GNIS) code.

State Designated Tribal Statistical Areas (SDTSAs) are statistical entities for state-recognized American Indian tribes that do not have a state-recognized reservation. State liaisons chosen by the governor's office in each state identify and delineate SDTSAs for the Census Bureau. SDTSAs are generally a compact and contiguous area that contains a concentration of people who identify with a state-recognized American Indian tribe and in which there is structured or organized tribal activity. An SDTSA may not be

located in more than one state unless both states recognize the tribe, and may not include area within any other AIANNH areas. Note that for Census 2000 these areas were termed State Designated American Indian Statistical Areas (SDAISAs); SDTSAs bring consistency to tribal statistical area terms.

Each SDTSA is assigned a nationally unique 4-character census code ranging from 9500 through 9998 in alphabetical sequence of SDTSA names nationwide. Each SDTSA also is assigned a nationally unique 8-character National Standard (GNIS) code.

Tribal Designated Statistical Areas (TDSAs) are statistical entities identified and delineated for the Census Bureau by federally recognized American Indian tribes that do not currently have a reservation or off-reservation trust land. A TDSA should be comparable to AIRs within the same state and/or region, especially for tribes that are of similar size. A TDSA is generally a compact and contiguous area that contains a concentration of individuals who identify with the delineating federally recognized American Indian tribe and in which there is structured or organized tribal activity. A TDSA may be located in more than one state, but it may not include area within any other AIANNH areas. Each TDSA is assigned a nationally unique 4-character census code ranging from 8000 through 8999 in alphabetical sequence of TDSA names nationwide. Each TDSA is also assigned a nationally unique 8-character National Standard (GNIS) code.

AIANNH Area Codes—the American Indian, Alaska Native, and Native Hawaiian (AIANNH) areas are represented in the TIGER/Line Shapefiles by a 4-character census code field, and a single alphabetic character AIANNH area reservation/statistical area or off-reservation trust land (ORTL) indicator field, shown as COMPTYP (component type). The census codes are assigned in alphabetical order in assigned ranges by AIANNH area type nationwide, except that joint-use areas appear at the end of their applicable code range. ORTLs are assigned the same code as the reservation with which they are associated. ORTLs associated with tribes that do not have a reservation are assigned codes based on their tribal name. There is one record created for each unique combination of AIANNH code and component type. Each AIANNH area also is assigned a nationally unique 8-character National Standard (GNIS) code.

The type of AIANNH area can be identified either by its census code (AIANNHCE), its MAF/TIGER feature class code (MTFCC), or its FIPS class code (CLASSFP). The range of census codes allocated to each AIANNH area and the valid FIPS class code(s) associated with each are in Table 3.

Table 3: Census codes for each AIANNH area

Type	Census Code Range	Valid FIPS Class Codes	MTFCCs
Federal AIR or ORTL	0001 to 4899	D1, D2, D3	G2100
Federal AIR/ORTL joint-use area	4900 to 4999	D0	G2170
Hawaiian home land	5000 to 5499	F1	G2120
OTSA	5500 to 5899	D6	G2140
OTSA joint-use area	5900 to 5999	D0	G2170
ANVSA	6000 to 7999	E1	G2130
TDSA	8000 to 8999	D6	G2160
State AIR	9000 to 9499	D4	G2100
SDTSA	9500 to 9998	D9	G2150

Notes:

- G2100 can represent both federally and state-recognized areas; the recognition level can be determined using the federal/state recognition flag (AIANNHR) field where “F” is federally recognized and “S” is state-recognized.
- Joint-use areas are identified uniquely by MTFCC G2170. An “A” in the functional status (FUNCSTAT) field identifies federal AIR/ORTL joint-use areas, while an “S” in the field represents joint-use OTSAs.
- FIPS Class Codes for Federal AIRs or ORTLs:
    - D1: Legal federally recognized American Indian area consisting of reservation and associated off-reservation trust land
    - D2: Legal federally recognized American Indian area consisting of reservation only
    - D3: Legal federally recognized American Indian area consisting of off-reservation trust land only

Table 4: Component types for AIANNH areas

Type	Component Type (COMPTYP)
American Indian Trust Land	T
Reservation or Statistical Entity	R

3.1.2.1 American Indian / Alaska Native / Native Hawaiian (AIANNH) Area National Shapefile Record Layout (Current)

File Name: tl_2019_us_aiannh.shp

Field	Length	Type	Description
AIANNHCE	4	String	Current American Indian/Alaska Native/Native Hawaiian area census code
AIANNHNS	8	String	Current American Indian/Alaska Native/Native Hawaiian area GNIS code
GEOID	5	String	American Indian/Alaska Native/Native Hawaiian area identifier; a concatenation of Current American Indian/Alaska Native/Native Hawaiian area census code and reservation/statistical area or off-reservation trust land Hawaiian home land indicator
NAME	100	String	Current American Indian/Alaska Native/Native Hawaiian area name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for American Indian/Alaska Native/Native Hawaiian area
LSAD	2	String	Current legal/statistical area description code for American Indian/Alaska Native/Native Hawaiian area

Field	Length	Type	Description
CLASSFP	2	String	Current FIPS class code
COMPTYP	1	String	Current American Indian/Alaska Native/Native Hawaiian area reservation/statistical area or off-reservation trust land Hawaiian home land indicator
AIANNHR	1	String	Current American Indian/Alaska Native/Native Hawaiian area federal/state recognition flag
MTFCC	5	String	MAF/TIGER feature class code
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.1.3 American Indian Tribal Subdivisions

American Indian Tribal Subdivision geography and attributes are available in the following shapefile:

American Indian Tribal Subdivision (AITS) National Shapefile (Current)

American Indian Tribal Subdivisions (AITS) are legally defined administrative subdivisions of federally recognized American Indian reservations and/or off-reservation trust lands or Oklahoma tribal statistical areas (OTSAs). Tribal subdivisions are known as additions, administrative areas, areas, chapters, county districts, districts, or segments. These entities are internal units of self-government or administration that serve social, cultural, and/or economic purposes for the American Indians on the reservations, off-reservation trust lands, or OTSAs. The Census Bureau obtains the boundary and name information for tribal subdivisions from the federally recognized tribal governments.

American Indian Tribal Subdivision Codes are represented in the TIGER/Line Shapefiles by a 3-character census code. The Census Bureau assigns the 3-character American Indian tribal subdivision code alphabetically in order and uniquely within each American Indian reservation and/or associated off-reservation trust land or Oklahoma tribal statistical area (OTSA). Each AITS is also assigned a nationally unique 8-character National Standard (GNIS) code.

3.1.3.1 American Indian Tribal Subdivision (AITS) National Shapefile Record Layout

File Name: tl_2019_us_aitsn.shp

Field	Length	Type	Description
AIANNHCE	4	String	Current American Indian/Alaska Native/Native Hawaiian area census code
TRSUBCE	3	String	Current American Indian tribal subdivision census code
TRSUBNS	8	String	Current American Indian tribal subdivision GNIS code
GEOID	7	String	American Indian tribal subdivision identifier; a concatenation of Current American Indian/Alaska Native/Native Hawaiian area census code and American Indian tribal subdivision census code
NAME	100	String	Current American Indian tribal subdivision name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for American Indian tribal subdivision
LSAD	2	String	Current legal/statistical area description code for American Indian tribal subdivision
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER feature class code (G2300)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.1.4 Tribal Census Tract

Tribal census tract geography and attributes are available in the following shapefile:

Tribal Census Tract National Shapefile (Current)

Tribal census tracts are relatively small statistical subdivisions of an American Indian reservation and/or off-reservation trust land (ORTL),defined by federally recognized tribal government officials in the Census Bureau's Tribal Statistical Areas Program (TSAP) for the 2010 Census. If a tribal government declined to participate in the TSAP, the Census Bureau delineated tribal census tracts on the American Indian reservation and/or ORTL. Tribal census tracts are conceptually similar and equivalent to standard census

tracts. Unlike standard census tracts, however, tribal census tracts may cross state, county, and standard census tract boundaries.

Tribal census tracts generally have at least 1,200 persons or 480 housing units, and no more than 8,000 persons or 3,200 housing units, with an optimal size of 4,000 persons or 1,600 housing units. Many American Indian reservations and/or off-reservation trust lands have less than 2,400 persons and/or 960 housing units; in those cases, one tribal census tract was delineated that covers the entire American Indian reservation and/or off-reservation trust land.

A tribal census tract usually covers a contiguous area but in some cases may consist of more than one discrete area. Tribal census tracts nest within individually federally recognized American Indian reservations and/or ORTLs. In some cases, an American Indian reservations and/or ORTL might be noncontiguous, so the tribal census tracts will be as well.

Tribal Census Tracts Codes—Tribal census tracts have a 4-character basic name/code plus a 2-character suffix, for use if the tribal census tract splits in the future. (Because 2010 is the first Census that used this coding scheme, no tribal census tracts currently have suffixes, in other words they all have a suffix of "00.") Tribal census tract codes all begin with the letter "T" followed by three digits and the 2-character suffix, for example T00200. Tribal census tract codes have an implied decimal between the basic code and the suffix, and are unique within an American Indian reservation and/or ORTL. The code is in the TTRACTCE field.

Tribal Census Tract Names—the tribal census tract code also acts as its name, with the suffix only appended if required. While the TTRACTCE field contains the 6-character code format (including the suffix), the NAME field contains the tribal census tract name as displayed in Census Bureau printed reports and on mapping products. The name will consist of the first four characters ("T" followed by three digits, including any leading or trailing zeroes) and a decimal point followed by the 2-character suffix if the suffix is something other than "00." When the suffix is only zeroes, the tribal tract decimal point and suffix are absent. For example, tribal census tract code "T01000" has a tribal census tract name of "T010". The NAMELSAD field includes both the translated legal/statistical area description and the tribal tract name, as in "Tribal census tract T010".

For more information on the TSAP, please visit: https://www.census.gov/programs-surveys/geography/about/partnerships/2010-census-partnerships/tsap.html.

3.1.4.1 Tribal Census Tract National Shapefile (Current)

File Name: tl_2019_us_ttract.shp

Field	Length	Type	Description
AIANNHCE	4	String	Current American Indian/Alaska Native/Native Hawaiian area census code
TTRACTCE	6	String	Current tribal census tract code
GEOID	10	String	Tribal census tract identifier; a concatenation of the American Indian Area census code and tribal census tract code

Field	Length	Type	Description
NAME	7	String	Current tribal census tract name, including the decimal point and decimal digits if a non-zero census tract suffix exists
NAMELSAD	27	String	Current translated legal/statistical area description and the tribal census tract name
MTFCC	5	String	MAF/TIGER feature class code (G2400)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.1.5 Tribal Block Group

Tribal block group geography and attributes are available in the following shapefile:

Tribal Block Group National Shapefile (Current)

Tribal block groups are subdivisions of a tribal census tract. For the 2010 Census, federally recognized tribal government officials in the Census Bureau's Tribal Statistical Areas Program (TSAP) defined tribal block groups. If a tribal government declined to participate in the TSAP, the Census Bureau delineated tribal block groups on the American Indian reservation and/or off-reservation trust land (ORTL). Tribal block groups should contain between 600 and 3,000 persons or between 240 and 1,200 housing units. Many American Indian reservations and ORTLs have less than the minimum population thresholds for more than one tribal block group and in those cases one tribal block group covers the entire American Indian reservation and/or ORTL. Unlike standard block groups, the cluster of blocks that comprises each tribal block group will not necessarily begin with the same first number of their 4-character census block number, but may contain blocks from several different standard census block groups.

A tribal block group usually covers a contiguous area but in some cases may consist of more than one discrete area. Tribal block groups nest within tribal census tracts and within individual federally recognized American Indian reservations and/or ORTLs. In some cases, an American Indian reservation and/or ORTLs might be noncontiguous, so the tribal block groups are as well. In addition, tribal block group boundaries may cross standard census tract, standard block group, county, and/or state boundaries.

Tribal block groups are uniquely named within tribal tracts. Tribal block group names and codes are identical and are a single capital letter character from "A" to "K" (except for the letter "I"). No relationship exists between the tribal block group identifier and the numbering of census blocks within the tribal block group. A tribal block group will always be identified in conjunction with the tribal census tract within which it is contained, for example T00100A.

For more information on the TSAP, please visit:
https://www.census.gov/programs-surveys/geography/about/partnerships/2010-census-partnerships/tsap.html.

3.1.5.1 Tribal Block Group National Shapefile (Current)

File Name: tl_2019_us_tbg.shp

Field	Length	Type	Description
AIANNHCE	4	String	Current Census American Indian/Alaska Native/Native Hawaiian area census code
TTRACTCE	6	String	Current tribal census tract code
TBLKGPCE	1	String	Current tribal block group letter
GEOID	11	String	Tribal block group identifier; a concatenation of the Current American Indian/Alaska Native/Native Hawaiian area census code, tribal census tract code, and tribal block group letter
NAMELSAD	20	String	Current translated legal/statistical area description and the tribal block group letter
MTFCC	5	String	MAF/TIGER feature class code (G2410)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.2 Blocks (Census Block)

Block geography and attributes are available in the following shapefile:

Block State-based Shapefile (2010 Geography)

Census blocks are statistical areas bounded on all sides by visible features, such as streets, roads, streams, and railroad tracks, and by non-visible boundaries such as city, town, township, and county limits, and short line-of-sight extensions of streets and roads. Generally, census blocks are small in area; for example, a block in a city. Census blocks in suburban and rural areas may be large, irregular and bounded by a variety of features, such as roads, streams, and/or transmission line rights-of-way. In remote areas, census blocks may encompass hundreds of square miles. Census blocks cover all territory in the United States, Puerto Rico, and the Island areas. Blocks do not cross the boundaries of any entity for which the Census Bureau tabulates data. (See Figures 1 and 2).

Census Block Numbers (2010 Geography)—Census 2010 blocks are numbered uniquely within the 2010 boundaries of each state/county/census tract with a 4-character census block number. The first character of the tabulation block number identifies the block group. A block number can only be unique by using the decennial census state, county, census tract, and block or STATEFP10 + COUNTYFP10 + TRACTCE10 + BLOCKCE10. There is no consistency in block numbers from census to census.

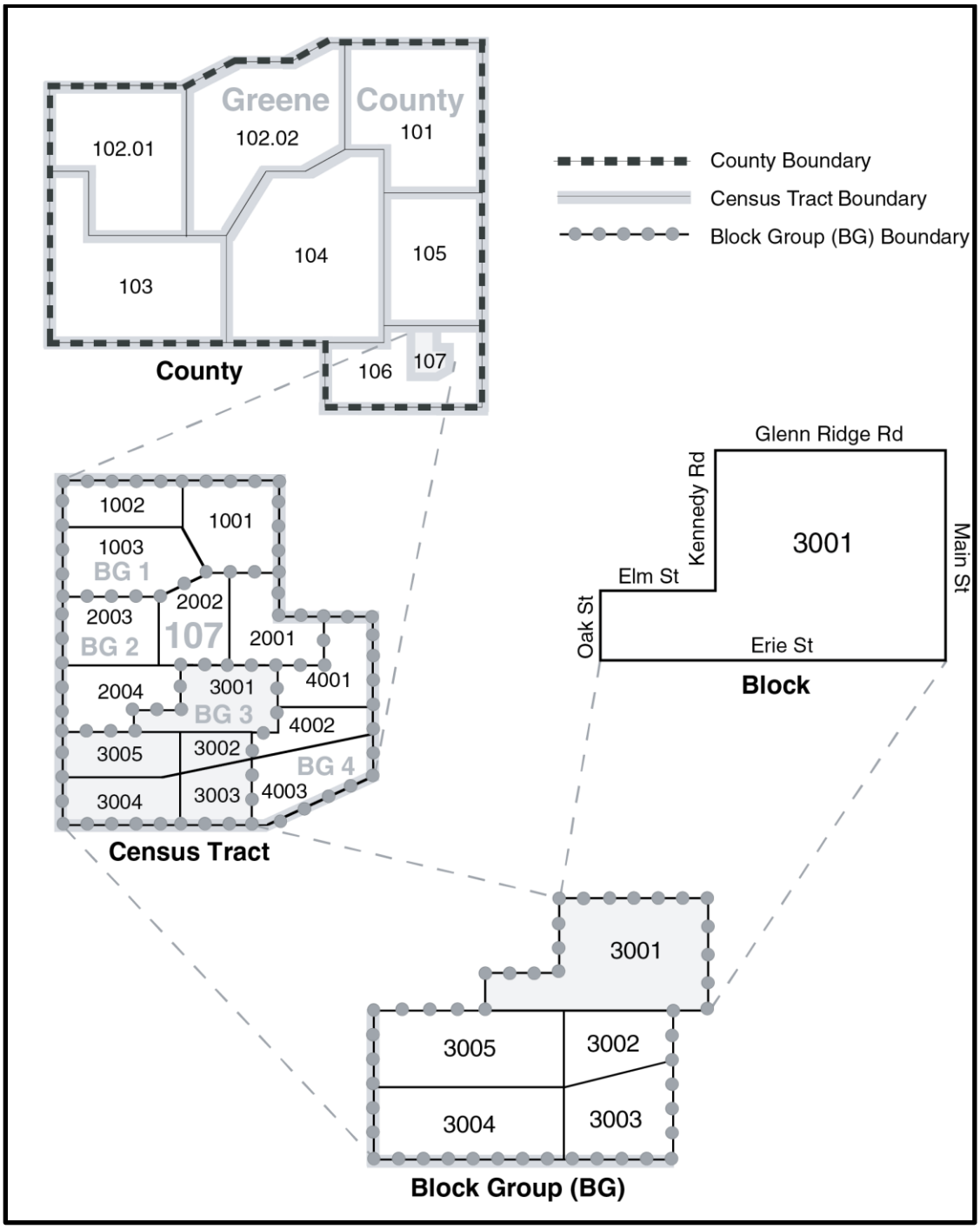

Figure 1: Geographic Relationships - Small Area Statistical Entities; County-Census Tract-Block Group-Block

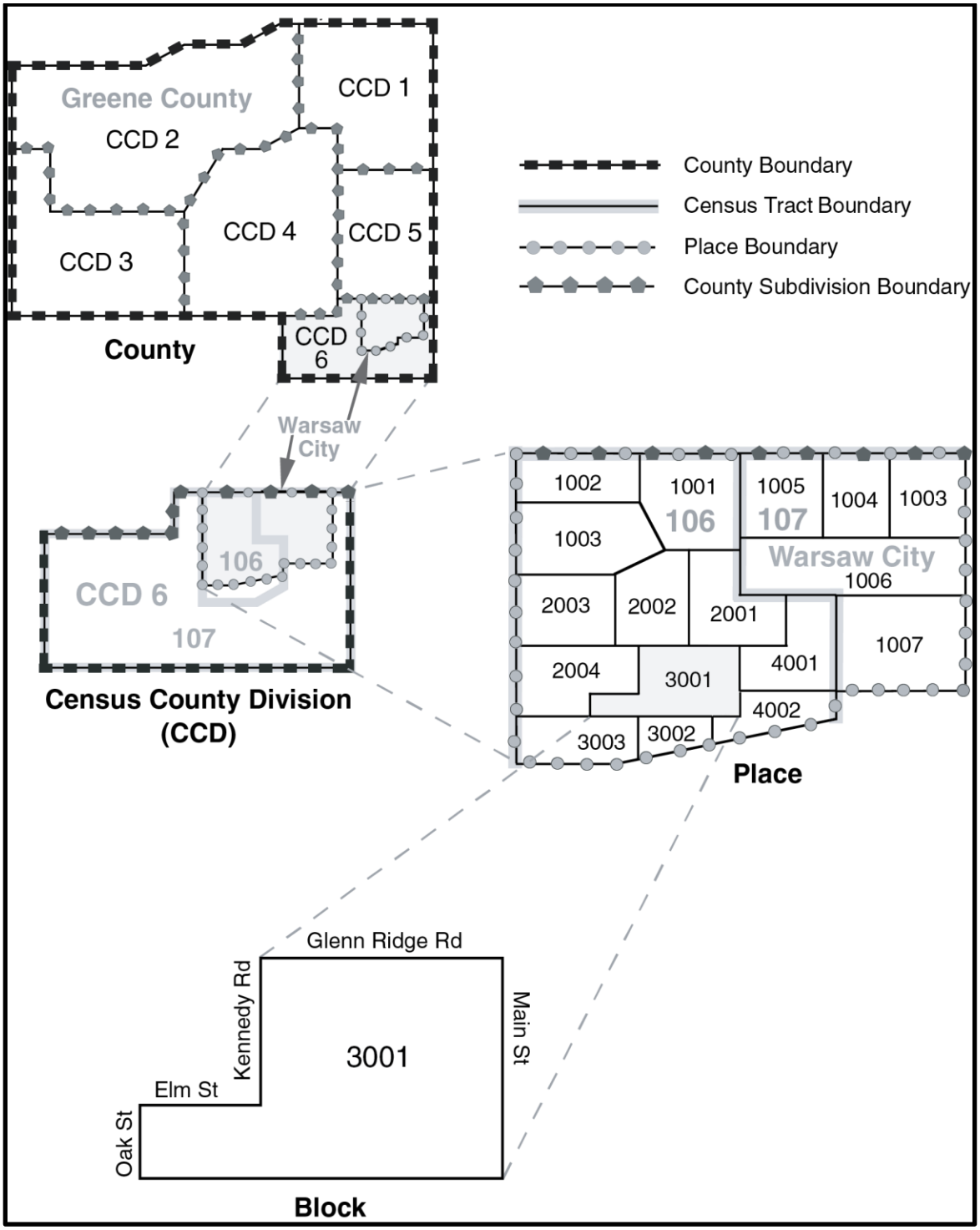

Figure 2: Geographic Relationships - Legal and Statistical Entities; County-County Subdivision-Place-Block

3.2.1 Block State-based Shapefile Record Layout (2010 Geography)

File Name: tl_2019_<state FIPS>_tabblock10.shp

Field	Length	Type	Description
STATEFP10	2	String	2010 Census state FIPS code
COUNTYFP10	3	String	2010 Census county FIPS code
TRACTCE10	6	String	2010 Census tract code
BLOCKCE10	4	String	2010 Census tabulation block number
GEOID10	15	String	Census block identifier; a concatenation of 2010 Census state FIPS code, 2010 Census county FIPS code, 2010 Census tract code, and 2010 Census block number
NAME10	10	String	2010 Census tabulation block name; a concatenation of 'Block' and the tabulation block number
MTFCC10	5	String	MAF/TIGER feature class code (G5040)
UR10	1	String	2010 Census urban/rural indicator
UACE10	5	String	2010 Census urban area code
UATYPE	1	String	2010 Census urban area type
FUNCSTAT10	1	String	2010 Census functional status
ALAND10	14	Number	2010 Census land area
AWATER10	14	Number	2010 Census water area
INTPTLAT10	11	String	2010 Census latitude of the internal point
INTPTLON10	12	String	2010 Census longitude of the internal point

3.3 Block Groups

Block group geography and attributes are available in the following shapefile:

Block Group State-based Shapefile (Current)

Standard block groups are clusters of blocks within the same census tract that have the same first digit of their 4-character census block number. For example, blocks 3001, 3002, 3003… 3999 in census tract 1210.02 belong to Block Group 3. Due to boundary and feature changes that occur throughout the decade, current block groups do not always maintain these same block number to block group relationships. For example, block 3001 might move due to a change in the census tract boundary. Even if the block is no longer in block group 3, the block number (3001) will not change. However, the GEOID for

that block, identifying block group 3, would remain the same in the attribute information in the TIGER/Line Shapefiles because block GEOIDs are always built using the decennial geographic codes.

Block groups delineated for the 2010 Census generally contain between 600 and 3,000 people. Local participants delineated most block groups as part of the Census Bureau's Participant Statistical Areas Program (PSAP). The Census Bureau delineated block groups only where a local or tribal government declined to participate or where the Census Bureau could not identify a potential local participant.

A block group usually covers a contiguous area. Each census tract contains at least one block group and block groups are uniquely numbered within census tract. Within the standard census geographic hierarchy, block groups never cross county or census tract boundaries, but may cross the boundaries of county subdivisions, places, urban areas, voting districts, congressional districts, and American Indian, Alaska Native, and Native Hawaiian areas.

Block groups have a valid range of 0 through 9. Block groups beginning with a zero generally are in coastal and Great Lakes water and territorial seas. Rather than extending a census tract boundary into the Great Lakes or out to the 3-mile territorial sea limit, the Census Bureau delineated some census tract boundaries along the shoreline or just offshore.

For more information about the PSAP, please visit: https://www.census.gov/programs-surveys/decennial-census/about/psap.html.

3.3.1 Block Group State-based Shapefile Record Layout (Current)

File Name: tl_2019_<state FIPS>_bg.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
TRACTCE	6	String	Current census tract code
BLKGRPCE	1	String	Current block group number
GEOID	12	String	Census block group identifier; a concatenation of the current state FIPS code, county FIPS code, census tract code, and block group number.
NAMELSAD	13	String	Current translated legal/statistical area description and the block group number
MTFCC	5	String	MAF/TIGER feature class code (G5030)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point

Field	Length	Type	Description
INTPTLON	12	String	Current longitude of the internal point

3.4 Census Tracts

Census tract geography and attributes are available in the following shapefile:

Census Tract State-based Shapefile (Current)

Census tracts are small, relatively permanent statistical subdivisions of a county or equivalent entity, and are reviewed and updated by local participants prior to each decennial census as part of the Census Bureau's Participant Statistical Areas Program (PSAP). The Census Bureau updates census tracts in situations where no local participant existed or where local or tribal governments declined to participate. The primary purpose of census tracts is to provide a stable set of geographic units for the presentation of decennial census data.

Census tracts generally have a population size between 1,200 and 8,000 people with an optimum size of 4,000 people. The spatial size of census tracts varies widely depending on the density of settlement. Ideally, census tract boundaries remain stable over time to facilitate statistical comparisons from census to census. However, physical changes in street patterns caused by highway construction, new development, and so forth, may require boundary revisions. In addition, significant changes in population may result in splitting or combining census tracts.

Census tract boundaries generally follow visible and identifiable features. They may follow legal boundaries such as minor civil division (MCD) or incorporated place boundaries in some states to allow for census tract-to-governmental unit relationships where the governmental boundaries tend to remain unchanged between censuses. State and county boundaries always are census tract boundaries in the standard census geographic hierarchy.

In a few rare instances, a census tract may consist of noncontiguous areas. These noncontiguous areas may occur where the census tracts are coextensive with all or parts of legal entities that are themselves noncontiguous.

Census Tract Codes and Numbers—Census tract numbers have up to a 4-character basic number and may have an optional 2-character suffix; for example, 1457.02. The census tract numbers (used as names) eliminate any leading zeroes and append a suffix only if required. The 6-character numeric census tract codes, however, include leading zeroes and have an implied decimal point for the suffix. Census tract codes range from 000100 to 998999 and are unique within a county or equivalent area.

The Census Bureau assigned a census tract code of 9900 to represent census tracts delineated to cover large bodies of water. In addition, census tract codes in the 9400s represent American Indian Areas and codes in the 9800s represent special land use areas.

The Census Bureau uses suffixes to help identify census tract changes for comparison purposes. Local participants have an opportunity to review the existing census tracts before each census. If local participants split a census tract, the split parts usually retain the basic number, but receive different suffixes. In a few counties, local participants request major changes to, and renumbering of, the census tracts. Changes to individual census tract boundaries usually do not result in census tract numbering changes.

Relationship to Other Geographic Entities—Within the standard census geographic hierarchy, census tracts never cross state or county boundaries, but may cross the boundaries of county subdivisions, places, urban areas, voting districts, congressional districts, and American Indian, Alaska Native, and Native Hawaiian areas.

Census Tract Numbers and Codes:

- 000100 to 989900—Basic number range for census tracts
- 990000 to 990099—Basic number for census tracts in water areas
- 990100 to 998900—Basic number range for census tracts

3.4.1 Census Tract State-based Shapefile Record Layout (Current)

File Name: tl_2019_<state FIPS>_tract.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
TRACTCE	6	String	Current census tract code
GEOID	11	String	Census tract identifier; a concatenation of Current state FIPS code, county FIPS code, and census tract code
NAME	7	String	Current census tract name, this is the census tract code converted to an integer or integer plus 2-character decimal if the last two characters of the code are not both zeros.
NAMELSAD	20	String	Current translated legal/statistical area description and the census tract name
MTFCC	5	String	MAF/TIGER feature class code (G5020)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.5 Congressional Districts

Congressional district geography and attributes are available in the following shapefile:

116th Congressional District National Shapefile

Congressional districts are the 435 areas from which people are elected to the U.S. House of Representatives and the 5 areas with nonvoting delegates from state equivalents. After the apportionment of congressional seats among the states based on decennial census population counts, each state is responsible for establishing the boundaries of congressional districts. All congressional districts in a state should be as equal in population as is practicable.

The 2019 TIGER/Line Shapefiles contain the 116th Congressional Districts. All congressional districts appearing in the 2019 TIGER/Line Shapefiles reflect the information provided to the Census Bureau by the states by May 1, 2018. The 116th Congressional District shapefile contains the areas in effect from January 2019 to 2021.

The following states had changes for the 116th Congress:

- Colorado
- Minnesota
- Pennsylvania

Each state has a minimum of one representative in the U.S. House of Representatives. The District of Columbia, Puerto Rico, American Samoa, Guam, and the U.S. Virgin Islands have a non-voting delegate in the Congress.

Congressional District Codes—Congressional districts are identified by a 2-character numeric FIPS code. Congressional districts are numbered uniquely within state. The District of Columbia, Puerto Rico and the Island areas have the code of 98, which identifies their status with respect to representation in Congress:

- 01 to 53—Congressional district codes
- 00—At large (single district for state)
- 98—Nonvoting delegate

Other Notes on Congressional Districts

- The state of Maryland adjusted the 2010 Census P.L. [94-171] redistricting data by reallocating state prisoner populations to their last known residence. Information on this adjustment is available by visiting http://planning.maryland.gov/redistricting/.
- The state of Hawaii adjusted the 2010 Census P.L. [94-171] redistricting data to remove non-resident military personnel and non-resident students. Information on this adjustment is available at http://elections.hawaii.gov/about-us/boards-and-commissions/reapportionment/.

3.5.1 116th Congressional District National Shapefile Record Layout

File Name: tl_2019_us_cd116.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
CD116FP	2	String	116th congressional district FIPS code
GEOID	4	String	116th congressional district identifier; a concatenation of current state FIPS code and the 116th congressional district FIPS code

Field	Length	Type	Description
NAMELSAD	41	String	Current name and the translated legal/statistical area description for congressional district
LSAD	2	String	Current legal/statistical area description code for congressional district
CDSESSN	3	String	Congressional session code
MTFCC	5	String	MAF/TIGER feature class code (G5200)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.6 Consolidated Cities

Consolidated city geography and attributes are available in the following shapefile:

Consolidated City State-based Shapefile (Current)

A consolidated government is a unit of local government for which the functions of an incorporated place and its county or minor civil division (MCD) have merged. This action results in both the primary incorporated place and the county or MCD continuing to exist as legal entities, even though the county or MCD performs few or no governmental functions and has few or no elected officials. When one or more other incorporated places in the county or MCD is included in the consolidated government but continues to function as separate government, the primary incorporated place is referred to as a consolidated city. The Census Bureau classifies the separately incorporated places within the consolidated city as place entities and creates a separate place (balance) record for the portion of the consolidated city not within any other place. The 2019 Census TIGER/Line Shapefiles represent consolidated cities with a 5-character numeric FIPS code and an 8-character National Standard (GNIS) code.

Consolidated City (Balance) Portions refer to the areas of a consolidated city not included in another separately incorporated place. For example, Butte-Silver Bow, MT, is a consolidated city (former Butte city and Silver Bow County) that includes the separately incorporated municipality of Walkerville city. The area of the consolidated city that is not in Walkerville city is assigned to Butte-Silver Bow (balance). The name always includes the “(balance)” identifier. Balance portions of consolidated cities are included in the Place shapefiles.

3.6.1 Consolidated City Shapefile Record Layout (Current)

File Name: tl_2019_<stateFIPS>_concity.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
CONCTYFP	5	String	Current consolidated city FIPS code
CONCTYNS	8	String	Current consolidated city GNIS code
GEOID	7	String	Consolidated city identifier; a concatenation of current state FIPS code and consolidated city FIPS code
NAME	100	String	Current consolidated city name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for consolidated city
LSAD	2	String	Current legal/statistical area description code for consolidated city
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER feature class code (G4120)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.7 Counties and Equivalent Entities

County and equivalent entity geography and attributes are available in the following shapefile:

County and Equivalent Entity National Shapefile (Current)

Counties and equivalent entities are primary legal divisions of states. In most states, these entities are termed “counties.” In Louisiana, these divisions are known as “parishes.” In Alaska, the equivalent entities are the organized boroughs, as well as census areas in the unorganized borough. The state of Alaska and the Census Bureau cooperatively delineate these census areas for statistical purposes. In four states (Maryland, Missouri, Nevada, and Virginia), there are one or more incorporated places that are independent of any county organization and thus constitute primary divisions of their states. These incorporated places are known as independent cities and are treated as county equivalent entities for purposes of data presentation. The District of Columbia and Guam have no primary divisions and each area is considered a county equivalent entity for purposes of data presentation. The Census Bureau

treats the following entities as equivalents of counties for purposes of data presentation: municipios in Puerto Rico, districts and islands in America Samoa, municipalities in the Commonwealth of the Northern Mariana Islands, and islands in the U.S. Virgin Islands. Each county or statistically equivalent entity is assigned a 3-character FIPS code that is unique within a state, as well as an 8-character National Standard (GNIS) code.

The 2019 TIGER/Line Shapefiles reflect available governmental unit boundaries of the counties and equivalent entities as of January 1, 2019.

Core-based Statistical Area (CBSA) Codes – The 2019 county and equivalent entity shapefiles also contain fields with codes for combined statistical area, metropolitan or micropolitan statistical area, and metropolitan division. Counties form the building blocks for CBSAs, and a user can merge county records to form these areas without having to acquire the individual CBSA shapefiles.

3.7.1 County and Equivalent Entity National Shapefile Record Layout (Current)

File Name: tl_2019_us_county.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
COUNTYNS	8	String	Current county GNIS code
GEOID	5	String	County identifier; a concatenation of Current state FIPS code and county FIPS code
NAME	100	String	Current county name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for county
LSAD	2	String	Current legal/statistical area description code for county
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER feature class code (G4020)
CSAFP	3	String	Current combined statistical area code
CBSAFP	5	String	Current metropolitan statistical area/micropolitan statistical area code
METDIVFP	5	String	Current metropolitan division code
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area

Field	Length	Type	Description
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.8 County Subdivisions

County subdivision geography and attributes are available in the following shapefile:

County Subdivision State-based Shapefile (Current)

County subdivisions are the primary divisions of counties and their equivalent entities for the reporting of decennial census data. They include census county divisions, census subareas, minor civil divisions, and unorganized territories. They may represent legal or statistical entities. The 2019 TIGER/Line Shapefiles contain a 5-character FIPS code field for county subdivisions and an 8-character National Standards (GNIS) code.

Legal Entity Definition

Minor Civil Divisions (MCDs) are the primary governmental or administrative divisions of a county in many states. MCDs represent many different kinds of legal entities with a wide variety of governmental and/or administrative functions. MCDs include areas designated as American Indian reservations, assessment districts, barrios, barrios-pueblo, boroughs, census subdistricts, charter townships, commissioner districts, counties, election districts, election precincts, gores, grants, locations, magisterial districts, parish governing authority districts, plantations, precincts, purchases, supervisor's districts, towns, and townships. The Census Bureau recognizes MCDs in 29 states, Puerto Rico, and the Island areas. The District of Columbia has no primary divisions, and the Census Bureau treats the incorporated place of Washington as an MCD equivalent for statistical purposes. In 23 states, all or some incorporated places are not part of any MCD. These places also serve as primary legal county subdivisions and have a FIPS MCD code that is the same as the FIPS place code. The GNIS codes also match for those entities. In other states, incorporated places are part of the MCDs in which they are located or the pattern is mixed—some incorporated places are independent of MCDs and others are included within one or more MCDs. The MCDs in 12 states (Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin) also serve as general-purpose local governments that generally can perform the same governmental functions as incorporated places. The Census Bureau presents data for these MCDs in all products that contain place data.

In New York and Maine, American Indian reservations (AIRs) exist outside the jurisdiction of any town (MCD) and thus serve as the equivalent of MCDs for purposes of data presentation.

Statistical Entity Definitions

Census County Divisions (CCDs) are areas delineated by the Census Bureau in cooperation with state and local officials for statistical purposes. CCDs are not governmental units and have no legal functions. CCD boundaries usually follow visible features and, in most cases, coincide with census tract boundaries. The Census Bureau gives each CCD a name based on a place, county, or well-known local name to identify its location. CCDs exist where:

- There are no legally established minor civil divisions (MCDs)

- The legally established MCDs do not have governmental or administrative purposes
- The boundaries of the MCDs change frequently
- The MCDs are not generally known to the public

The Census Bureau has established CCDs for the following 20 states:

Alabama	Arizona	California	Colorado	Delaware	Florida
Georgia	Hawaii	Idaho	Kentucky	Montana	Nevada
New Mexico	Oklahoma	Oregon	South Carolina	Texas	Utah
Washington	Wyoming				

Census Subareas are statistical subdivisions of boroughs, city and boroughs, municipalities, and census areas, the latter of which are the statistical equivalent entities for counties in Alaska. The state of Alaska and the Census Bureau cooperatively delineate the census subareas to serve as the statistical equivalents of MCDs.

Unorganized Territories (UTs) have been defined by the Census Bureau in 9 minor civil division (MCD) states and in American Samoa, where portions of counties or equivalent entities are not included in any legally established MCD or incorporated place. The Census Bureau recognizes such separate pieces of territory as one or more separate county subdivisions for census purposes. It assigns each unorganized territory a descriptive name, followed by the designation "unorganized territory" and county subdivision FIPS and GNIS codes. The Census Bureau recognizes unorganized territories in the following states and equivalent areas:

Arkansas	Indiana	Iowa	Maine	Minnesota	New York
North Carolina	North Dakota	South Dakota			

Undefined County Subdivisions—in water bodies, primarily Great Lakes waters and territorial sea, legal county subdivisions do not extend to cover the entire county. For these areas, the Census Bureau created a county subdivision with a FIPS code of 00000 and GNIS code of 00000000 named "county subdivision not defined." The following states and equivalent areas have these county subdivisions:

Connecticut	Illinois	Indiana	Maine	Massachusetts	Michigan
Minnesota	New Hampshire	New Jersey	New York	Ohio	Pennsylvania
Rhode Island	Wisconsin	Puerto Rico			

New England City and Town Area (NECTA) Codes — The 2019 county subdivision shapefiles also contain fields with codes for Combined New England city and town area, New England city and town area, and New England city and town area division. The NECTAs consist of county subdivisions in New England only, and users can merge county subdivision records to form these areas without acquiring the individual NECTA shapefiles.

3.8.1 County Subdivision State-based Shapefile Record Layout (Current)

File Name: tl_2019_<stateFIPS>_cousub.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code

Field	Length	Type	Description
COUSUBFP	5	String	Current county subdivision FIPS code
COUSUBNS	8	String	Current county subdivision GNIS code
GEOID	10	String	County subdivision identifier; a concatenation of current state FIPS code, county FIPS code, and county subdivision FIPS code.
NAME	100	String	Current county subdivision name
NAMELSAD	100	String	Current name and the translated legal/statistical area description code for county subdivision
LSAD	2	String	Current legal/statistical area description code for county subdivision
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER feature class code (G4040)
CNECTAFP	3	String	Current combined New England city and town area code
NECTAFP	5	String	Current New England city and town area code
NCTADVFP	5	String	Current New England city and town area division code
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.9 Estates

Estate features and attributes are available in the United States Virgin Islands in the following shapefile:

Estate State-based Shapefile (Current)

Estates are subdivisions of the three major islands in the United States Virgin Islands (USVI). The estates have legally defined boundaries and are generally smaller in area than the Census Subdistricts (county subdivisions), but do not necessarily nest within these districts. The boundaries of the estates are primarily those of the former agricultural plantations that existed at the time Denmark transferred the islands to the United States in 1917. The names and boundaries of the estates are in common usage by residents and in government administration. Estate boundaries are as of January 1, 2010, and were

provided to the Census Bureau by the USVI Office of the Lieutenant Governor. The 2010 and 2011 TIGER/Line products contain estate data in the SubMinor Civil Division (submcd) shapefiles.

3.9.1 Estate Shapefile (U.S. Virgin Islands Only) Record Layout (Current)

File Name: tl_2019_78_estate.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
ESTATEFP	5	String	Current estate FIPS code
ESTATENS	8	String	Current estate GNIS code
GEOID	10	String	Estate identifier; a concatenation of current state FIPS code, county FIPS code, and estate FIPS code
NAME	100	String	Current estate name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for estate
LSAD	2	String	Current legal/statistical area description code for estate
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER feature class code (G4050)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.10 Hydrography (Area and Linear)

Hydrography features and attributes are available in the following shapefiles:

Area Hydrography County-based Shapefile
Linear Hydrography County-based Shapefile

The area hydrography shapefile contains the geometry and attributes of both perennial and intermittent area hydrography features, including ponds, lakes, oceans, swamps, glaciers, and the area covered by large streams represented as double-line drainage. Single-line drainage water features exist in the all lines shapefile and the linear hydrography shapefile.

The linear hydrography shapefile contains all linear features with “H” (Hydrography) type MTFCCs in the MAF/TIGER database by county. The Census Bureau provides these shapefiles at a county geographic extent and in linear elemental feature geometry. The linear hydrography shapefile includes streams/rivers, braided streams, canals, ditches, artificial paths, and aqueducts. A linear hydrography feature may include edges with both perennial and intermittent persistence.

Single-line drainage water features include artificial path features that run through double-line drainage features such as rivers and streams and serve as a linear representation of these features. The artificial path features may correspond to those in the USGS National Hydrographic Dataset (NHD). However, in many cases the features do not match NHD equivalent feature and will not carry the NHD metadata codes.

Shorelines for area hydrography exist in the all lines shapefiles and have MTFCCs of either “P0002” (shoreline of perennial water feature) or “P0003” (shoreline of intermittent water feature).

3.10.1 Area Hydrography County-based Shapefile Record Layout

File Name: tl_2019_<state-countyFIPS>_areawater.shp

Field	Length	Type	Description
ANSICODE	8	String	Official code for the water body for use by federal agencies for data transfer and dissemination, if applicable
HYDROID	22	String	Area hydrography identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
MTFCC	5	String	MAF/TIGER feature class code
ALAND	14	Number	Land area
AWATER	14	Number	Water area
INTPTLAT	11	String	Latitude of the internal point
INTPTLON	12	String	Longitude of the internal point

3.10.2 Linear Hydrography County-based Shapefile Record Layout

File Name: tl_2019_<state-countyFIPS>_linearwater.shp

Field	Length	Type	Description
ANSICODE	8	String	Official code for use by federal agencies for data transfer and dissemination, if applicable
LINEARID	22	String	Linear hydrography identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
ARTPATH	1	String	Artificial path flag
MTFCC	5	String	MAF/TIGER feature class code

3.11 Landmarks (Area and Point)

Landmark features and attributes are available in the following shapefiles:

Area Landmark State-based Shapefile
Point Landmark State-based Shapefile

The Census Bureau includes landmarks in the MAF/TIGER database (MTDB) to locate special features and help enumerators during field operations. Some of the more common landmark types include area landmarks such as airports, cemeteries, parks, and educational facilities and point landmarks such as schools and churches.

The Census Bureau adds landmark features to the database on an as-needed basis and makes no attempt to ensure that all instances of a particular feature were included. The landmarks were not used to build or maintain the 2010 Census address list, and the absence of a landmark such as a hospital or prison does not mean that associated living quarters were excluded from the 2010 Census enumeration.

Area landmark and area water features can overlap; for example, a park or other special land-use feature may include a lake or pond. In this case, the polygon covered by the lake or pond belongs to a water feature and a park landmark feature. Other kinds of landmarks can overlap as well. Area landmarks can contain point landmarks, but TIGER/Line Shapefiles do not contain links to these features.

All landmarks have a MAF/TIGER feature class code (MTFCC) that identifies the type of feature and may or may not have a specific feature name. A full MTFCC list with definitions for the 2019 TIGER/Line Shapefiles is provided in Appendix E. Each landmark has a unique area landmark identifier (AREAID) or point landmark identifier (POINTID) value.

3.11.1 Area Landmark State-based Shapefile Record Layout

File Name: tl_2019_<stateFIPS>_arealm.shp

Field	Length	Type	Description
STATEFP	2	String	State FIPS code
ANSICODE	8	String	Official code for the landmark for use by federal agencies for data transfer and dissemination
AREAID	22	String	Area landmark identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier with a space between each expanded text field
MTFCC	5	String	MAF/TIGER feature class code
ALAND	14	Number	Land area
AWATER	14	Number	Water area
INTPTLAT	11	String	Latitude of the internal point
INTPTLON	12	String	Longitude of the internal point
PARTFLG	1	String	Part Flag identifying if all or part of the entity is within the file

3.11.2 Point Landmark State-based Shapefile Record Layout

File Name: tl_2019_<stateFIPS>_pointlm.shp

Field	Length	Type	Description
STATEFP	2	String	State FIPS code
ANSICODE	8	String	Official code for the point landmark for use by federal agencies for data transfer and dissemination, if applicable
POINTID	22	String	Point landmark identifier
FULLNAME	100	String	Concatenation of expanded text for prefix type, base name, and suffix type with a space between each expanded text field
MTFCC	5	String	MAF/TIGER feature class code

3.12 Linear Features

Linear elemental features are the spatial representation of 1-dimensional roads, hydrography, railroads, and other miscellaneous features in the MAF/TIGER database. A linear elemental feature can span one edge or multiple connecting edges that share a common name and feature classification (MTFCC).

More than one linear elemental feature can share the same edge or group of connected edges. For example, an edge may be associated with a linear feature called Oak Street. This same edge may be one of several edges also associated with another linear feature called State Highway 57. The edge in question has two names: Oak Street and State Highway 57. The Census Bureau designates one of these names as primary and the others as alternates; usually the common street name (Oak Street) will be primary.

The MAF/TIGER database breaks/ends linear elemental features when the feature name changes. All spelling differences result in a new feature. Features will also break at county boundaries, changes in primary/alternate designation, MTFCC, and gaps in the geometry.

Linear features and attributes are available in the following shapefiles.

3.12.1 All Lines

Each all lines shapefile describes the universe of edges that bound or are included within a county or equivalent entity. The shapefile describes the geometry of each edge along with descriptive attributes and unique identification numbers. These identification numbers provide the means for linking the edges to alternate features such as their names, address ranges, and adjacent faces.

The all lines features and attributes are in the following shapefile:

All Lines County-based Shapefile

The all lines shapefile contains visible linear feature edges such as roads, railroads, and hydrography, as well as non-feature edges and non-visible boundaries. Additional attribute data associated with the edges are available in relationship files that users must download separately.

The all lines shapefile contains the geometry and attributes of each topological primitive edge. Each edge has a unique TLID (permanent edge identifier) value. An edge's left and right faces are identified by the TFIDL (permanent face identifier on the left side of the edge) and TFIDR (permanent face identifier on the right side of the edge) attributes, which link to the TFID attribute in the Topological Faces shapefile.

The left and right side of an edge is determined by the order of the points that form the edge. An edge is oriented from the start node to the end node. If a person stands on an edge at the start node and faces the end node, data listed in the fields carrying a right qualifier to the right of the edge. Data users can employ GIS software to plot the edges as directional vectors with arrows showing the orientation of edges.

In the MAF/TIGER database, edges may represent several types of features. The series of indicator flags (HYDROFLG, ROADFLG, RAILFLG, and OLFFLG) indicate the classes of features that share the edge. For example, a road may have embedded railroad tracks; the corresponding edge will have both the ROADFLG (road feature indicator) and RAILFLG (rail feature indicator) set. Generally, certain feature types appear together on the same edge:

Road and Rail—roads with adjacent tracks, tracks embedded in roadways or tracks located in the median
Rail and Other Linear Feature—rail features located on dams and levees
Road and Other Linear Feature—road features located on dams and levees

The MAF/TIGER feature class code (MTFCC) identifies the specific code for the primary feature on the edge. For edges that represent roads in combination with other features, the MTFCC in the all lines shapefile will reflect the road feature.

3.12.1.1 All Lines County-based Shapefile Record Layout

File Name: tl_2019_<state-county>_edges.shp

Field	Length	Type	Description
STATEFP	2	String	State FIPS code
COUNTYFP	3	String	County FIPS code
TLID	10	Integer	Permanent edge ID
TFIDL	10	Integer	Permanent face ID on the left of the edge
TFIDR	10	Integer	Permanent face ID on the right of the edge
MTFCC	5	String	MAF/TIGER feature class code of the primary feature for the edge
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier with a space between each expanded text field (as available)
SMID	22	String	Spatial metadata identifier
LFROMADD	12	String	From house number associated with the most inclusive address range on the left side of the edge
LTOADD	12	String	To house number associated with the most inclusive address range on the left side of the edge
RFROMADD	12	String	From house number associated with the most inclusive address range on the right side of the edge
RTOADD	12	String	To house number associated with the most inclusive address range on the right side of the edge
ZIPL	5	String	ZIP code associated with the most inclusive address range on the left side

Field	Length	Type	Description
ZIPR	5	String	ZIP code associated with the most inclusive address range on the right side
FEATCAT	1	String	General feature classification category
HYDROFLG	1	String	Hydrography feature indicator
RAILFLG	1	String	Rail feature indicator
ROADFLG	1	String	Road feature indicator
OLFFLG	1	String	Other linear feature indicator
PASSFLG	1	String	Special passage flag
EXTTYP	1	String	Extension type
TTYP	1	String	Track type
DECKEDROAD	1	String	Decked road indicator
ARTPATH	1	String	Artificial path indicator
PERSIST	1	String	Hydrographic persistence flag
GCSEFLG	1	String	Short lines flag for geographic corridors
OFFSETL	1	String	Left offset flag
OFFSETR	1	String	Right offset flag
TNIDF	10	Integer	From TIGER node identifier
TNIDT	10	Integer	To TIGER node identifier

3.12.2 Coastline

The coastline boundary is available in the following shapefile:

Coastline National Shapefile

The coastline shapefile includes all features within the MTDB class "Coastline," distinguished by the MAF/TIGER feature classification code (MTFCC) L4150. The coastline included in this shapefile was delineated by the Census Bureau in the MAF/TIGER database based on water measurement class for display of statistical information only; its depiction and designation for statistical purposes does not constitute a determination of jurisdictional authority or rights of ownership or entitlement and it is not a legal land description. The name assigned to each coastline feature is a short form of the name of the large body of water bordered by this coastline feature.

3.12.2.1 Coastline National Shapefile Record Layout

File Name: tl_2019_us_coastline.shp

Field	Length	Type	Description
NAME	100	String	Coastline Name
MTFCC	5	String	MAF/TIGER Feature Class Code of the primary feature for the edge

3.12.3 Roads

Linear road features and attributes are available in the following shapefiles:

Primary Roads National Shapefile
Primary and Secondary Roads State-based Shapefile
All Roads County-based Shapefile

Primary roads are generally divided limited-access highways within the Federal interstate highway system or under state management. Interchanges and ramps distinguish these roads, and some are toll highways. The Primary Roads shapefile contains all linear street features with a MTFCC of S1100 in the MAF/TIGER database. The Census Bureau provides these shapefiles at a national geographic extent and in linear elemental feature geometry.

The primary and secondary roads shapefile contains all linear street features with MTFCCs of S1100 or S1200 in the MAF/TIGER database. The Census Bureau provides these shapefiles at a state geographic extent and in linear elemental feature geometry. Secondary roads are main arteries, usually in the U.S. highway, state highway, or county highway system. These roads have one or more lanes of traffic in each direction, may or may not be divided, and usually have at-grade intersections with many other roads and driveways. They often have both a local name and a route number.

The all roads shapefile contains all linear street features with “S” (Street) type MTFCCs in the MAF/TIGER database. These include primary roads, secondary roads, local neighborhood roads, rural roads, city streets, vehicular trails (4WD), ramps, service drives, walkways, stairways, alleys, and private roads. The Census Bureau provides these shapefiles at a county geographic extent and in linear elemental feature geometry.

The Census Bureau works continuously to improve the accuracy of the features in the MAF/TIGER database, including a recent focus on highway review. However, some street features may have a misclassified MTFCC. This means that there could be gaps in features in the primary roads or the primary and secondary roads shapefiles, if a segment of the feature was misclassified as an S1400 (a local neighborhood road, rural road, or city street) instead of an S1100 or S1200.

The all roads shapefile will contain multiple overlapping road segments where a segment is associated with more than one road feature. For example, if a road segment is associated with US Route 36 and State Highway 7 and 28th Street, the all roads shapefile will contain three spatially coincident segments, each with a different name. The all lines shapefile contains the set of unique road segments for each county, along with other linear features. Note that the LINEARID field can link the linear features back to the Featnames table. From there the TLID can relate the feature back to the all lines shapefile.

3.12.3.1 Primary Roads National Shapefile Record Layout

File Name: tl_2019_us_primaryroads.shp

Field	Length	Type	Description
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field; display name.
RTTYP	1	String	Route type code
MTFCC	5	String	MAF/TIGER feature class code

3.12.3.2 Primary and Secondary Roads State-based Shapefile Record Layout

File Name: tl_2019_<stateFIPS>_prisecroads.shp

Field	Length	Type	Description
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
RTTYP	1	String	Route type code
MTFCC	5	String	MAF/TIGER feature class code

3.12.3.3 All Roads County-based Shapefile Record Layout

File Name: tl_2019_<state-countyFIPS>_roads.shp

Field	Length	Type	Description
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
RTTYP	1	String	Route type code
MTFCC	5	String	MAF/TIGER feature class code

3.12.4 Address Ranges

Linear address range features and attributes are available in the following layer:

Address Range Feature County-based Shapefile

The address range feature shapefile contains the geospatial edge geometry and attributes of all unsuppressed address ranges for a county or county equivalent area. The term "address range" refers to the collection of all possible structure house numbers, from the first structure house number to the last structure house number of a specified parity along an edge side relative to the direction of the edge. All of the TIGER/Line address range files contain potential address ranges, not individual addresses. Potential ranges include the full range of possible structure numbers even though the actual structures may not exist. The Census Bureau suppresses single-address address ranges in order to maintain the confidentiality of the addresses they describe, and does not currently provide any address ranges for the Island areas.

The address range feature shapefile contains all of the address range to street name relationships in the address range feature name relationship file. The address range feature shapefile also contains all possible relationships between the address range relationship table and the all lines shapefile. Including all of this data results in better geocoding match rates compared with using the all lines shapefile for geocoding. The all lines shapefile only contains the most inclusive address range associated with each side of a street edge and the primary street name assigned to the edge.

3.12.4.1 Address Range Feature County-based Shapefile Record Layout

File Name: tl_2019_<state-countyFIPS>_addrfeat.shp

Field	Length	Type	Description
TLID	10	Integer	permanent edge ID
TFIDL	10	Integer	Permanent face ID on the left of the edge
TFIDR	10	Integer	Permanent face ID on the right of the edge
ARIDL	22	String	Left side Address range identifier
ARIDR	22	String	Right side Address range identifier
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
LFROMHN	12	String	From House Number associated with the address range on the left side of the edge; SIDE=L
LTOHN	12	String	To House Number associated with the address range on the left side of the edge; SIDE=L

Field	Length	Type	Description
RFROMHN	12	String	From House Number associated with the address range on the right side of the edge; SIDE=R
RTOHN	12	String	To House Number associated with the address range on the right side of the edge; SIDE=R
ZIPL	5	String	ZIP code associated with the left address range
ZIPR	5	String	ZIP code associated with the right address range
EDGE_MTFCC	5	String	Primary MAF/TIGER feature class code of related edge record
ROAD_MTFCC	5	String	MAF/TIGER feature class code of related linear feature record
PARITYL	1	String	Left side Address Range Parity
PARITYR	1	String	Right side Address Range Parity
PLUS4L	4	String	Left side ZIP+4 Code
PLUS4R	4	String	Right side ZIP+4 Code
LFROMTYP	1	String	Left side From address range end type. This field is populated if the value is 'I' and the address range is an imputed value calculated by the Census Bureau at a split point. If the value is anything other than 'I', the field is blank.
LTOTYP	1	String	Left side To address range end type. This field is populated if the value is 'I' and the address range is an imputed value calculated by the Census Bureau at a split point. If the value is anything other than 'I', the field is blank.
RFROMTYP	1	String	Right side From address range end type. This field is populated if the value is 'I' and the address range is an imputed value calculated by the Census Bureau at a split point. If the value is anything other than 'I', the field is blank.
RTOTYP	1	String	Right side To address range end type. This field is populated if the value is 'I' and the address range is an imputed value calculated by the Census Bureau at a split point. If the value is anything other than 'I', the field is blank.
OFFSETL	1	String	Flag to designate if left side address range is on offset edge
OFFSETR	1	String	Flag to designate if right side address range is on offset edge

3.12.5 Railroads

Linear railroad features and attributes are available in the following layer:

Railroads National Shapefile

The railroad shapefile includes spur lines and rail yards, mass transit rail lines such as carlines, streetcar track, monorail or other mass transit rail, and special purpose rail lines such as cog rail lines, incline rail lines, and trams. The railroad shapefile contains all linear rail features with "R" (Rail) type MTFCCs in the MAF/TIGER database. The Census Bureau provides these shapefiles at a national geographic extent and in a linear elemental feature geometry.

3.12.5.1 Railroads National Shapefile Record Layout

File Name: tl_2019_us_rails.shp

Field	Length	Type	Description
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
MTFCC	5	String	MAF/TIGER feature class code

3.13 Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas

Metropolitan and micropolitan statistical area and related statistical area geography and attributes are available in the following shapefiles:

Combined New England City and Town Area (CNECTA) National Shapefile (Current)
Combined Statistical Area (CSA) National Shapefile (Current)
Metropolitan Division National Shapefile (Current)
Core Based Statistical Areas (CBSAs) National Shapefile (Metropolitan and Micropolitan Statistical Areas) (Current)
New England City and Town Area (NECTA) National Shapefile (Current)
New England City and Town Area (NECTA) Division National Shapefile (Current)

On September 14, 2018, the U.S. Office of Management and Budget (OMB) announced updates to metropolitan and micropolitan statistical area delineations, superseding previous delineations, and based on official standards published in the Federal Register on June 28, 2010. The updates are based on the application of the 2010 standards to 2010 Census and 2011-2015 American Community Survey data (as well as Population Estimates Program data). OMB, with the advice of the interagency Metropolitan Area Standards Review Committee developed these standards to provide a nationally consistent set of geographic entities for the United States and Puerto Rico. OMB has not delineated metropolitan or micropolitan geography in the Island Areas.

A metropolitan or micropolitan statistical area contains a core area with a substantial population nucleus, as well as adjacent communities having a high degree of economic and social integration with that core. The term “core based statistical area” (CBSA) became effective in 2000 and refers collectively to metropolitan and micropolitan statistical areas.

Each metropolitan statistical area must have at least one urbanized area of 50,000 or more inhabitants. Each micropolitan statistical area must have at least one urban cluster of at least 10,000 but less than 50,000 inhabitants. The categorization of CBSAs as either metropolitan or micropolitan statistical areas is based on the population in the most populous (or dominant) core, not the total CBSA population or the total population of all (multiple) cores within the CBSA.

Counties or equivalent entities form the building blocks for metropolitan and micropolitan statistical areas. Central counties are those counties or equivalent entities in which at least 50 percent of the population resides within urban areas of 10,000 or more population, or that contain at least 5,000 people residing within a single urban area of 10,000 or more population. Additional, outlying counties that meet specified requirements of commuting to or from the central counties may be included in the CBSA.

In New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont), OMB has delineated a county subdivision (generally city and town) based definition of CBSAs known as New England city and town areas (NECTAs). NECTAs have the same criteria as metropolitan and micropolitan statistical areas: either an urbanized area of 50,000 or more inhabitants, or an urban cluster of at least 10,000 and less than 50,000 inhabitants must be present to delineate a NECTA.

Combined Statistical Areas (CSAs) consist of two or more adjacent CBSAs that have significant employment interchanges. The CBSAs that combine to create a CSA retain separate identities within the larger CSAs. CSAs represent groupings of metropolitan and micropolitan statistical areas and should not be ranked or compared with individual metropolitan and micropolitan statistical areas.

Combined New England city and town areas (CNECTAs) consist of two or more adjacent NECTAs that have significant employment interchanges. The NECTAs that combine to create a CNECTA retain separate identities within the larger CNECTAs. CNECTAs represent groupings of NECTAs and should not be ranked or compared with individual NECTAs.

Metropolitan divisions are smaller groupings of counties or equivalent entities within a metropolitan statistical area that contains a single core with at least 2.5 million inhabitants. Not all metropolitan statistical areas with urbanized areas of this size will contain metropolitan divisions. A metropolitan division consists of one or more main counties that represent an employment center or centers, plus adjacent counties associated with the main county or counties through commuting ties. Because metropolitan divisions represent subdivisions of larger metropolitan statistical areas, it is not appropriate to rank or compare metropolitan divisions with metropolitan and micropolitan statistical areas. It would be appropriate to rank and compare metropolitan divisions.

New England city and town area (NECTA) divisions are smaller groupings of cities and towns within a NECTA that contains a single core with at least 2.5 million inhabitants. A NECTA division consists of a main city or town that represents an employment center, as well as adjacent cities and towns associated with the main city or town through commuting ties. Each NECTA division must contain a total population of 100,000 or more. Because NECTA divisions represent subdivisions of larger NECTAs, it is not appropriate to rank or compare NECTA divisions with NECTAs. It would be appropriate to rank and compare NECTA divisions.

OMB designates one or more principal cities within each metropolitan statistical area, micropolitan statistical area, and NECTA. Principal cities can be either incorporated places or census designated places (CDPs). In addition to identifying the more significant places in each metropolitan and micropolitan statistical area or NECTA in terms of population and employment, principal cities also title metropolitan

and micropolitan statistical areas, metropolitan divisions, CSAs, NECTAs, NECTA divisions, and combined NECTAs. A principal city may be only a part of a place if a portion of that place is outside of the metropolitan statistical area, micropolitan statistical area, or NECTA.

Core Based Statistical Area Codes—the metropolitan statistical areas, micropolitan statistical areas, NECTAs, metropolitan divisions, and NECTA divisions are identified using a 5-character code. The codes for metropolitan and micropolitan statistical areas and metropolitan divisions are assigned in alphabetical order by area title and fall within the 10000 to 59999 range. Metropolitan divisions are distinguished by a code ending in "4." NECTA and NECTA division codes fall within the 70000 to 79999 range and are assigned in alphabetical order by area title. NECTA divisions are distinguished by a code ending in "4." Combined statistical areas and combined NECTAs are identified using a 3-character code. Combined statistical area codes fall within the 100 to 599 range. Combined NECTA codes fall within the 700 to 799 range. Since CBSA codes are defined nationally, no additional codes are required to provide a unique entity identifier. Since lower level divisions nest within CBSA and CBSAs nest within combined statistical areas, the higher level codes exist in the record layouts for the subordinate entity types.

The metropolitan and micropolitan statistical area and related statistical area boundaries, names, and codes appearing in the 2019 TIGER/Line Shapefiles are those delineated as of September 2018 by OMB. For more information, please visit: https://www.census.gov/programs-surveys/metro-micro.html.

3.13.1 Combined New England City and Town Area (CNECTA) National Shapefile Record Layout (Current)

File Name: tl_2019_us_cnecta.shp

Field	Length	Type	Description
CNECTAFP	3	String	Current combined New England city and town area code
GEOID	3	String	Current New England city and town area identifier; combined New England city and town area code
NAME	100	String	Current combined New England city and town area name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for combined New England city and town area
LSAD	2	String	Current legal/statistical area description code for combined New England city and town area
MTFCC	5	String	MAF/TIGER feature class code (G3200)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.13.2 Combined Statistical Area (CSA) National Shapefile Record Layout (Current)

File Name: tl_2019_us_csa.shp

Field	Length	Type	Description
CSAFP	3	String	Current combined statistical area code
GEOID	3	String	Combined statistical area identifier, combined statistical area code
NAME	100	String	Current combined statistical area name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for combined statistical area
LSAD	2	String	Current legal/statistical area description code for combined statistical area
MTFCC	5	String	MAF/TIGER feature class code (G3100)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.13.3 Metropolitan Division National Shapefile Record Layout (Current)

File Name: tl_2019_us_metdiv.shp

Field	Length	Type	Description
CSAFP	3	String	Current combined statistical area code
CBSAFP	5	String	Current metropolitan statistical area/micropolitan statistical area code
METDIVFP	5	String	Current metropolitan division code
GEOID	10	String	Metropolitan division identifier; a concatenation of metropolitan statistical area/micropolitan statistical area code and metropolitan division code
NAME	100	String	Current metropolitan division name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for metropolitan division

Field	Length	Type	Description
LSAD	2	String	Current legal/statistical area description code for metropolitan division
MTFCC	5	String	MAF/TIGER feature class code (G3120)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.13.4 Metropolitan Statistical Area/Micropolitan Statistical Area (CBSA) National Shapefile Record Layout (Current)

File Name: tl_2019_us_cbsa.shp

Field	Length	Type	Description
CSAFP	3	String	Current combined statistical area code, if applicable
CBSAFP	5	String	Current metropolitan statistical area/micropolitan statistical area code
GEOID	5	String	Metropolitan statistical area/micropolitan statistical area identifier, metropolitan statistical area/micropolitan statistical area code
NAME	100	String	Current metropolitan statistical area/micropolitan statistical area name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for metropolitan statistical area/micropolitan statistical area
LSAD	2	String	Current legal/statistical area description code for metropolitan statistical area/micropolitan statistical area
MEMI	1	String	Current metropolitan/micropolitan status indicator
MTFCC	5	String	MAF/TIGER feature class code (G3110)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point

Field	Length	Type	Description
INTPTLON	12	String	Current longitude of the internal point

3.13.5 New England City and Town Area (NECTA) National Shapefile Record Layout (Current)

File Name: tl_2019_us_necta.shp

Field	Length	Type	Description
CNECTAFP	3	String	Current combined New England city and town area code, if applicable
NECTAFP	5	String	Current New England city and town area code
GEOID	5	String	New England city and town area identifier, New England city and town area code
NAME	100	String	Current New England city and town area name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for New England city and town area
LSAD	2	String	Current legal/statistical area description code for New England city and town area
NMEMI	1	String	Current New England city and town area metropolitan/micropolitan status indicator
MTFCC	5	String	MAF/TIGER feature class code (G3210)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.13.6 New England City and Town Area (NECTA) Division National Shapefile Record Layout (Current)

File Name: tl_2019_us_nectadiv.shp

Field	Length	Type	Description
CNECTAFP	3	String	Current combined New England city and town area code, if applicable
NECTAFP	5	String	Current New England city and town area code

Field	Length	Type	Description
NCTADVFP	5	String	Current New England city and town area division code
GEOID	10	String	New England city and town area division identifier; a concatenation of New England city and town area code and New England city and town area division code
NAME	100	String	Current New England city and town area division name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for New England city and town area division
LSAD	2	String	Current legal/statistical area description code for New England city and town area division
MTFCC	5	String	MAF/TIGER feature class code (G3220)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.14 Military Installations

Military installation geography and attributes are available in the following shapefile:

Military Installation National Shapefile

The Census Bureau includes landmarks such as military installations in the MAF/TIGER database to locate special features and help enumerators during field operations. The Census Bureau adds landmark features to the database on an as-needed basis and does not attempt to ensure that all instances of a particular feature are included. For additional information about area landmarks, please see Section 3.11, Landmarks (Area and Point).

This file does not include the three point landmarks identified as military installation features in the MAF/TIGER database. These point landmarks are included in the point landmark shapefile.

Although almost all military installations have assigned 8-character National Standard (GNIS) codes, the Census Bureau has not loaded most of this data into the MAF/TIGER database. The 2019 military shapefiles contain few values in the ANSICODE field.

3.14.1 Military Installation National Shapefile Record Layout

File Name: tl_2019_us_mil.shp

Field	Length	Type	Description
ANSICODE	8	String	Official code for the landmark for use by federal agencies for data transfer and dissemination
AREAID	22	String	Area landmark identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
MTFCC	5	String	MAF/TIGER feature class code
ALAND	14	Number	Land area
AWATER	14	Number	Water area
INTPTLAT	11	String	Latitude of the internal point
INTPTLON	12	String	Longitude of the internal point

3.15 Places

Place geography and attributes are available in the following shapefile:

Place State-based Shapefile (Current)

The 2019 TIGER/Line Shapefiles include both incorporated places (legal entities) and census designated places (statistical entities).

Incorporated Places are those reported to the Census Bureau as legally in existence as of January 1, 2019, under the laws of their respective states. An incorporated place provides governmental functions for a concentration of people, as opposed to a minor civil division (MCD), which generally provides services or administers an area without regard, necessarily, to population. Places may extend across county and county subdivision boundaries, but never across state boundaries. An incorporated place usually is a city, town, village, or borough, but can have other legal descriptions. For census purposes, incorporated places exclude:

- The boroughs in Alaska (treated as equivalents of counties)
- Towns in the New England states, New York, and Wisconsin (treated as MCDs)
- The boroughs in New York (treated as MCDs)

Census Designated Places (CDPs) are the statistical counterparts of incorporated places. CDPs are settled concentrations of population that are identifiable by name but not legally incorporated under the laws of the state in which they are located. The Census Bureau defines CDP boundaries in cooperation with local partners as part of the Participant Statistical Areas Program, or in cooperation with tribal

officials as part of the Tribal Statistical Areas Program. CDP boundaries usually coincide with visible features or the boundary of an adjacent incorporated place or another legal entity boundary. CDPs have no legal status, nor do these places have officials elected to serve traditional municipal functions. CDP boundaries may change from one decennial census to the next with changes in the settlement pattern; a CDP with the same name as in an earlier census does not necessarily have the same boundary. There are no population size requirements for CDPs. In the nine states of the Northeast (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont) as well as Michigan, Minnesota, and Wisconsin, a CDP may represent a densely settled concentration of population within a town or township; in other instances, a CDP represents an entire town or township.

Hawaii is the only state that has no incorporated places recognized by the Census Bureau. All places shown in data products for Hawaii are CDPs. By agreement with the State of Hawaii, the Census Bureau does not show data separately for the city of Honolulu, which is coextensive with Honolulu County. In Puerto Rico, which also does not have incorporated places, the Census Bureau recognizes only CDPs. The CDPs in Puerto Rico are called comunidades or zonas urbanas. Guam and the Commonwealth of the Northern Mariana Islands also have only CDP's.

Place Codes—the FIPS place code uniquely identifies a place within a state. If place names are duplicated within a state and represent distinctly different areas, a separate code is assigned to each place name alphabetically by the primary county in which each place is located, or, if both places are in the same county, alphabetically by their legal descriptions (for example, "city" before "village"). All places also have an 8-character National Standard (GNIS) code.

Dependent and Independent Places—Depending on the state, incorporated places are either dependent within, or independent of, county subdivisions. Some states contain a mixture of dependent and independent incorporated places. Dependent places are part of the county subdivision; the county subdivision code of the place is the same as that of the underlying county subdivision(s), but is different from the FIPS place code. Independent places are not part of any minor civil division (MCD) and serve as primary county subdivisions. The independent place FIPS code usually is the same as that used for the MCD for the place. The only exception is if the place is independent of the MCDs in a state in which the FIPS MCD codes are in the 90000 range. Then, the FIPS MCD and FIPS place codes will differ. CDPs are always dependent within county subdivisions and all places are dependent within statistical county subdivisions.

Independent Cities- Baltimore city, MD; St. Louis city, MO; Carson city, NV; and all 38 cities in Virginia are not part of any surrounding county. The Census Bureau treats these cities as equivalent to both counties and MCDs (in MCD states). The FIPS code for St. Louis city is the same as the FIPS county subdivision code. All the others have differing FIPS place and county subdivision codes. At the county level, independent cities have a 3-character county code of 500 or higher.

Geographic Corridors and Offset Geographic Boundaries—A geographic corridor (formerly called corporate corridor) is a narrow, linear part of an incorporated place (or in a very few instances, another type of legal entity). The geographic corridor includes the street and/or right-of-way or a portion of the street and/or right-of-way within the incorporated place. It excludes from the incorporated place those structures such as houses, apartments, or businesses that front along the street or road.

A geographic limit offset boundary (formerly called corporate limit offset boundary) exists where the incorporated place lies on only one side of the street and may include all or part of the street and/or the right-of-way. It does not include the houses or land that adjoins the side of the street with the geographic limit offset boundary. It is possible to have two or more geographic limit offset boundaries in the same

street or right-of-way. Geographic limit offset boundaries use the same map symbology as non-offset boundaries. Figures 3 and 4 depict geographic corridors and geographic offset limits.

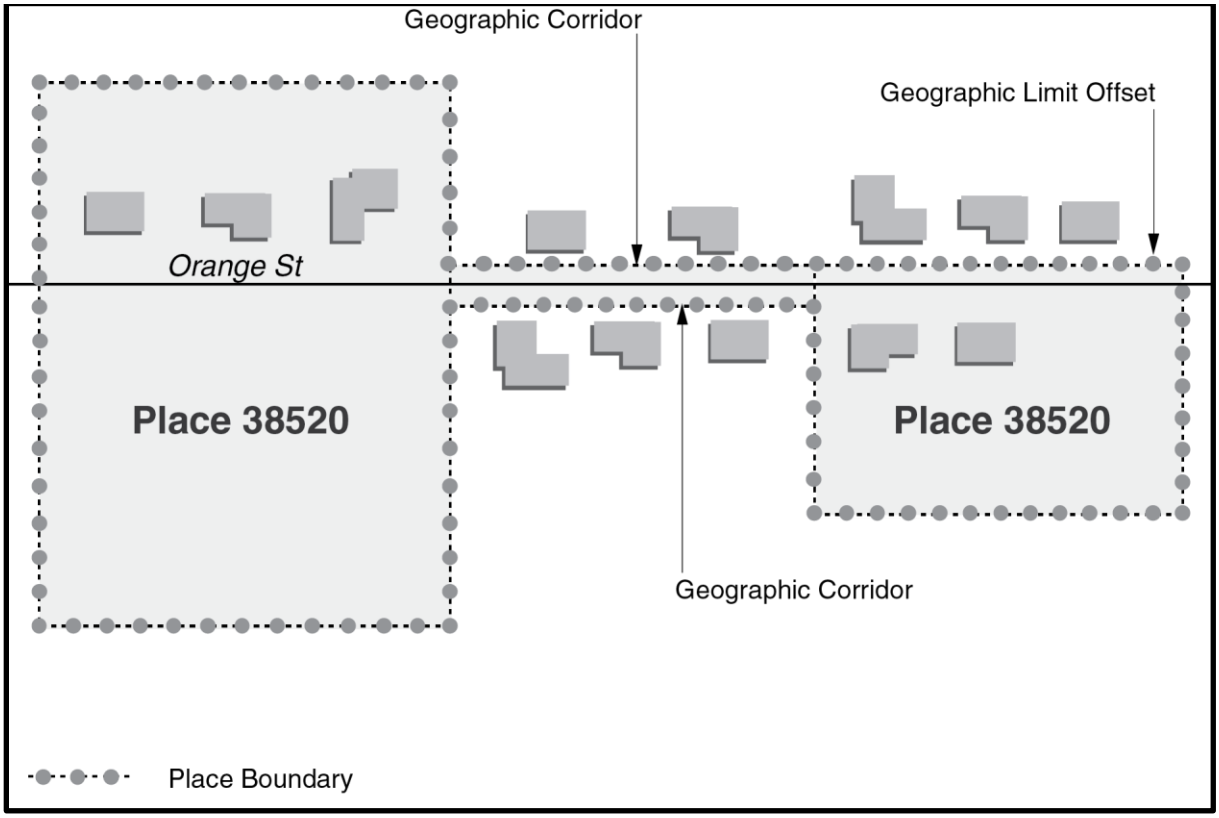

Figure 3: Geographic Corridors – Overview
This diagram, using symbology typical of a census map, shows a geographic corridor linking the two larger areas of Place 38520. Shading highlights the actual area within the corporate limits. Part of the geographic limit along Orange St. is an offset boundary. A geographic limit offset covers only one side of the street or right-of-way, not the entire street or right-of-way, as is the case with a geographic corridor.

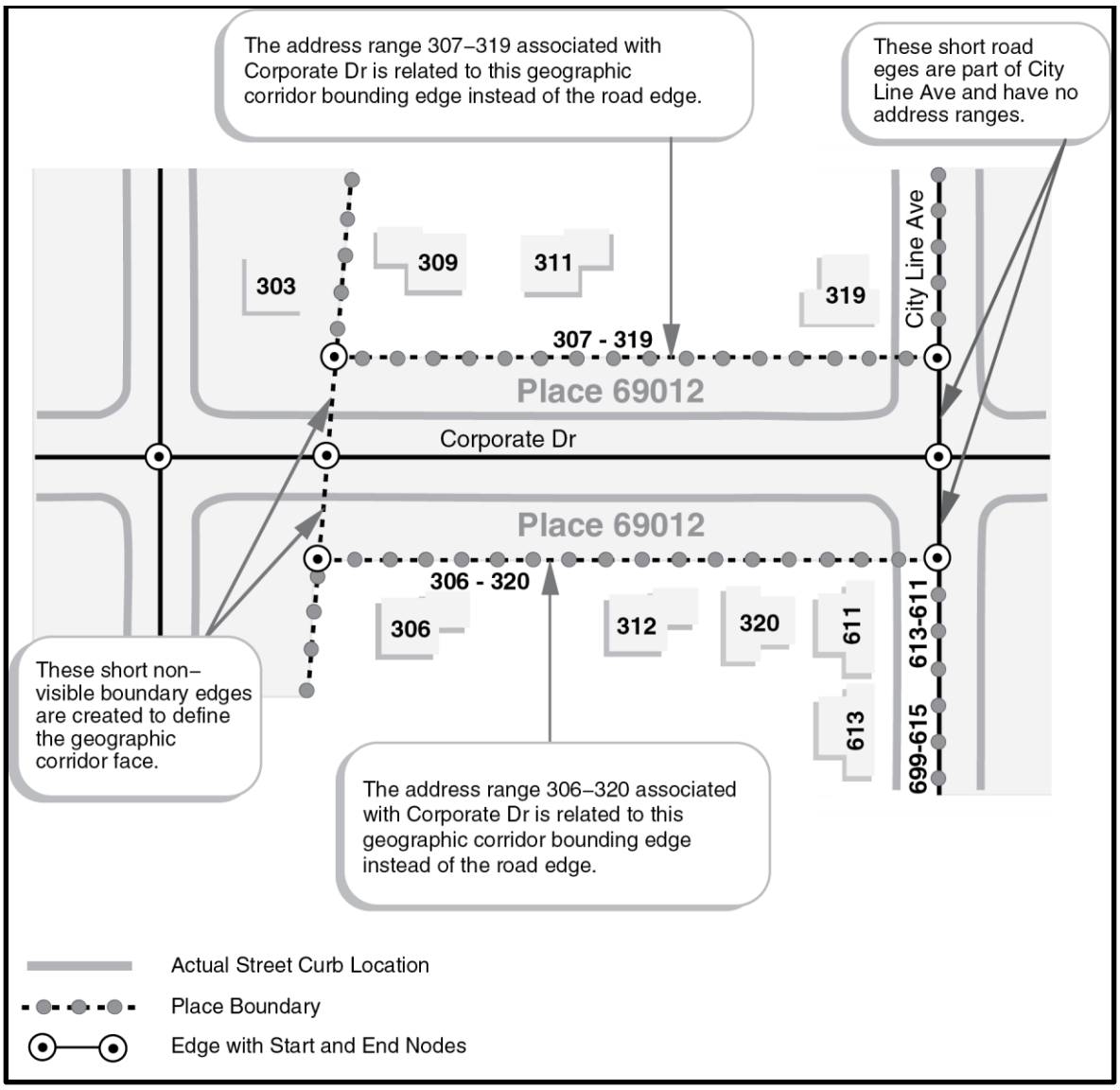

Figure 4: Geographic Corridors Address Ranges

This diagram shows the address ranges associated with a geographic corridor that runs along Corporate Dr. In order to correctly geocode structures outside the geographic corridor in the correct block and place, the address ranges associated with Corporate Dr. are located on and related to the geographic corridor bounding edge instead of the road edge. For example, 311 Corporate Dr. is located outside the geographic limits. Using address ranges on the road edge for Corporate Dr. will incorrectly geocode the structure to Place 69012. Assigning the address ranges to the geographic corridor edge alongside Corporate Dr. will correctly geocode the structure to the block outside of Place 69012. Note that the geographic corridor edge splits City Line Ave. road edge at one end of the corridor. In this case, the road edge outside of the geographic corridor is assigned the address range and the road edge for City Line Ave. inside the corridor does not have address ranges.

The All Lines Shapefile and Address Ranges Relationship File permanent edge identifier (TLID) relate geographic corridor address ranges to the corridor bounding edge adjacent to the road edge. The Address Range-Feature Name Relationship File relates street names to address ranges on geographic

corridor bounding edges. By assigning the address range to the geographic corridor edge rather than the road edge, structures will geocode correctly outside of the geographic corridor.

Consolidated City (Balance) Portions refer to the areas of a consolidated city not included in another separately incorporated place. For example, Butte-Silver Bow, MT, is a consolidated city (former Butte city and Silver Bow County) that includes the separately incorporated municipality of Walkerville city. The area of the consolidated city that is not in Walkerville city is assigned to Butte-Silver Bow (balance). The name always includes the "(balance)" identifier. Balance portions of consolidated cities are included in the place shapefiles.

3.15.1 Place State-based Shapefile Record Layout (Current)

File Name: tl_2019_<stateFIPS>_place.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
PLACEFP	5	String	Current place FIPS code
PLACENS	8	String	Current place GNIS code
GEOID	7	String	Place identifier; a concatenation of the current state FIPS code and place FIPS code
NAME	100	String	Current place name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for place
LSAD	2	String	Current legal/statistical area description code for place
CLASSFP	2	String	Current FIPS class code
PCICBSA	1	String	Current metropolitan or micropolitan statistical area principal city indicator
PCINECTA	1	String	Current New England city and town area principal city indicator
MTFCC	5	String	G4110 (incorporated place) and G4210 (census designated place)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.16 Public Use Microdata Areas (PUMAs)

Public use microdata area geography and attributes are available in the following shapefile:

Public Use Microdata Area (PUMA) State-based Shapefile (2010 Census)

Public use microdata areas (PUMAs) are decennial census areas that permit the tabulation and dissemination of Public Use Microdata Sample (PUMS) data, American Community Survey (ACS) data, and ACS period estimates.

For the 2010 Census, the State Data Centers (SDCs) in each state, the District of Columbia, and the Commonwealth of Puerto Rico had the opportunity to delineate PUMAs within their state or statistically equivalent entity. All PUMAs must nest within states and have a minimum population threshold of 100,000 persons. 2010 PUMAs consist of census tracts and cover the entirety of the United States, Puerto Rico, Guam, and the U.S. Virgin Islands. Because they do not meet the minimum population requirement, the Commonwealth of the Northern Mariana Islands and American Samoa do not contain any 2010 PUMAs.

For detailed information about PUMAs, please visit the Public Use Microdata Areas (PUMAs) website at: https://www.census.gov/programs-surveys/geography/guidance/geo-areas/pumas.html .

3.16.1 Public Use Microdata Area (PUMA) State-based Shapefile Record Layout (2010 Census)

File Name: tl_2019_<stateFIPS>_puma10.shp

Field	Length	Type	Description
STATEFP10	2	String	2010 Census state FIPS code
PUMACE10	5	String	2010 Census Public Use Microdata Area code
GEOID10	7	String	2010 Census nation-based Public Use Microdata Area code; a concatenation of 2010 Census state FIPS code and Public Use Microdata Area code
NAMELSAD10	100	String	2010 Census translated legal/statistical area description code and Public Use Microdata Area name
MTFCC10	5	String	MAF/TIGER feature class code
FUNCSTAT10	1	String	2010 Census functional status
ALAND10	14	Number	2010 Census land area
AWATER10	14	Number	2010 Census water area
INTPTLAT10	11	String	2010 Census latitude of the internal point
INTPTLON10	12	String	2010 Census longitude of the internal point

3.17 School Districts (Elementary, Secondary, and Unified)

School district geography and attributes are available in the following shapefiles:

Elementary School District State-based Shapefile (Current)
Secondary School District State-based Shapefile (Current)
Unified School District State-based Shapefile (Current)

School Districts are single-purpose administrative units within which local officials provide public educational services for the area's residents. The Census Bureau obtains school district boundaries, names, local education agency codes, grade ranges, and school district levels annually from state education officials. The Census Bureau collects this information for the primary purpose of providing the U.S. Department of Education with annual estimates of the number of children in poverty within each school district, county, and state. This information serves as the basis for the Department of Education to determine the annual allocation of Title I funding to states and school districts.

The 2019 TIGER/Line Shapefiles include separate shapefiles for elementary, secondary, and unified school districts. The 2019 shapefiles contain information from the 2019 school year, i.e. districts in operation as of January 1, 2019.

Elementary school districts provide education to the lower grade/age levels and secondary school districts provide education to the upper grade/age levels. Unified school districts provide education to children of all school ages. In general, where there is a unified school district, no elementary or secondary school district exists (see exceptions described below). Where there is an elementary school district, the secondary school district may or may not exist (see explanation below). In addition to regular functioning school districts, the TIGER/Line Shapefiles contain pseudo-school districts as described below.

The Census Bureau categorizes school districts based on the grade ranges for which the school district is financially responsible. These may or may not be the same as the grade ranges that a school district operates. (The grade range that reflects financial responsibility is important for the allocation of Title I funds.) A typical example would be a school district that operates schools for children in grades Kindergarten (KG)-8 and pays a neighboring school district to educate children in grades 9–12. The first school district is operationally responsible for grades KG-8, but financially responsible for grades KG-12. Therefore, the Census Bureau would define the grade range for that school district as KG-12. If an elementary school district is financially responsible for grades KG-12 or Pre-Kindergarten (PK)–12, there will be no secondary school district represented for that area. In cases, where an elementary school district is financially responsible for only lower grades, there is generally a secondary school district that is financially responsible for providing educational services for the upper grades.

The following are exceptions to the above information:

The Census Bureau depicts the State of Hawaii as one unified school district and the five counties that represent the five boroughs of New York City as one unified school district.

Pseudo-elementary school districts

In the school district shapefiles, Illinois contains pseudo-elementary school districts that represent regular unified school districts in an area where the unified school districts share financial responsibility service with secondary school districts. The Census Bureau created pseudo-elementary school districts linked to the unified school district in order to allocate the elementary school aged children to the unified school district. The Census Bureau could not assign an official unified school district code, but had to create a

pseudo-school district code to represent the service area where the unified school district is financially responsible for less than the entire KG-12 grade range. In this area, there was no regular functioning elementary school district serving the area and the secondary school district in this area was not paying tuition to the unified school district (that is, the secondary school districts' financial responsibilities did not extend to kindergarten).

Pseudo-secondary school districts

In the school district shapefiles, California, Georgia, Illinois, Kentucky, Massachusetts, Minnesota, Oklahoma, South Carolina, Tennessee, and Texas contain pseudo-secondary school districts that represent regular unified school districts in areas where the unified school districts share financial responsibility service with elementary school districts. Here the Census Bureau created pseudo-secondary school districts linked to real unified school districts in order to allocate the high school aged children to the unified school districts. The Census Bureau could not assign the official unified school district codes, but had to create pseudo-school district codes to represent a service area where the unified school district is financially responsible for less than the entire KG-12 grade range. In these areas, there were no regular functioning secondary school districts serving the area, and the elementary school districts in these areas were not paying tuition to the unified school districts (that is, the elementary school districts' financial responsibilities did not extend to grade 12).

Pseudo-unified school districts

In the school district shapefiles, New Jersey contains a pseudo-unified school district that represents a regular unified school district, a regular secondary school district, and a regular elementary school district in an area where the unified, secondary, and elementary school districts share financial responsibility service. The Census Bureau created a pseudo-unified school district and linked it to the regular unified, secondary, and elementary school districts in order to allocate the elementary and secondary school aged children to the unified, secondary and elementary school districts. The Census Bureau could not assign an official unified, secondary, or elementary school district code, but had to create a pseudo-school district code to represent the service area where the unified, secondary, and elementary school districts share financially responsibility for the entire KG-12 grade range.

A list of pseudo-elementary, pseudo-secondary, and pseudo-unified school districts and their codes appears in Appendix A. Pseudo school districts are identified in the elementary, secondary, and unified school district tables with an 'A' in the SDTYP field.

School District Codes—the 2019 TIGER/Line Shapefiles contain 5-character school district codes. The value 99997 is the school district code assigned to water or land where the state does not define an official school district. The school district codes are the local education agency codes used by the U.S. Department of Education and are unique within a state.

School District Names— the names of school districts include their description and no other field (NAMELSAD) is required.

3.17.1 Elementary School District State-based Shapefile Record Layout (Current)

File Name: tl_2019_<stateFIPS>_elsd.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
ELSDLEA	5	String	Current elementary school district local education agency code
GEOID	7	String	School district identifier; a concatenation of the current state FIPS code and elementary school district local education agency code
NAME	100	String	Current elementary school district name
LSAD	2	String	Current legal/statistical area description code for elementary school district
LOGRADE	2	String	Current lowest grade covered by school district
HIGRADE	2	String	Current highest grade covered by school district
MTFCC	5	String	MAF/TIGER feature class code (G5400)
SDTYP	1	String	Current school district type
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.17.2 Secondary School District State-based Shapefile Record Layout (Current)

File Name: tl_2019_<stateFIPS>_scsd.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
SCSDLEA	5	String	Current secondary school district local education agency code

Field	Length	Type	Description
GEOID	7	String	School district identifier; a concatenation of the current state FIPS code and secondary school district local education agency code
NAME	100	String	Current secondary school district name
LSAD	2	String	Current legal/statistical area description code for secondary school district
LOGRADE	2	String	Current lowest grade covered by school district
HIGRADE	2	String	Current highest grade covered by school district
MTFCC	5	String	MAF/TIGER feature class code (G5410)
SDTYP	1	String	Current school district type
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.17.3 Unified School District State-based Shapefile Record Layout (Current)

File Name: tl_2019_<stateFIPS>_unsd.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
UNSDLEA	5	String	Current unified school district local education agency code
GEOID	7	String	School district identifier; a concatenation of the current state FIPS code and unified school district local education agency code
NAME	100	String	Current unified school district name
LSAD	2	String	Current legal/statistical area description code for unified school district
LOGRADE	2	String	Current lowest grade covered by school district

Field	Length	Type	Description
HIGRADE	2	String	Current highest grade covered by school district
MTFCC	5	String	MAF/TIGER feature class code (G5420)
SDTYP	1	String	Current school district type
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.18 States and State Equivalent Entities

State and equivalent entity geography and attributes are available in the following shapefile:

State and Equivalent Entity National Shapefile (Current)

States and equivalent entities are the primary governmental divisions of the United States. In addition to the fifty states, the Census Bureau treats the District of Columbia, Puerto Rico, and the Island areas (American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, and the U.S. Virgin Islands) as statistical equivalents of states for the purpose of data presentation. Census regions and divisions consist of groupings of states and equivalent entities. Region and division codes are included in the state shapefiles and users can merge state records to form those areas.

3.18.1 State and Equivalent Entity National Shapefile Record Layout (Current)

File Name: tl_2019_us_state.shp

Field	Length	Type	Description
REGION	2	String	Current region code
DIVISION	2	String	Current division code
STATEFP	2	String	Current state FIPS code
STATENS	8	String	Current state GNIS code
GEOID	2	String	State identifier; state FIPS code
STUSPS	2	String	Current United States Postal Service state abbreviation
NAME	100	String	Current state name
LSAD	2	String	Current legal/statistical area description code for state

Field	Length	Type	Description
MTFCC	5	String	MAF/TIGER feature class code (G4000)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.19 State Legislative Districts (Upper and Lower)

State legislative district geography and attributes are available in the following shapefiles:

State Legislative District Lower Chamber (SLDL) State-based Shapefile (Current)
State Legislative District Upper Chamber (SLDU) State-based Shapefile (Current)

State legislative districts are the areas in which voters elect a person to represent them in state or equivalent entity legislatures. Most state legislatures consist of upper (senate—SLDU) and lower (house—SLDL) chambers with separate legislative districts. The Census Bureau first reported data for state legislative districts as part of the 2000 Public Law (P.L.) 94-171 Redistricting Data File for the states that chose to submit legislative district boundaries. Starting with the collection of legislative districts for the 2010 Census in 2006, the Census Bureau updates state legislative district boundaries every two years.

State Legislative Districts (2018 Election Year) - All 50 states, plus the District of Columbia and Puerto Rico, participated in Phase 4 of the Census Redistricting Program, as part of P.L. 94-171. They voluntarily provided the Census Bureau with the 2018 election cycle boundaries, codes, and in some cases names for their state legislative districts. States provided updates for their boundaries used in the November 2018 elections for the session that began in January 2019.

The following states or equivalents had changes to their state legislative districts for 2018:

Alabama
Alaska
Colorado
District of Columbia (upper house only)
Minnesota
North Carolina
Utah

Nebraska has a unicameral legislature and the District of Columbia has a single council, both of which the Census Bureau treats as upper-chamber legislative areas for the purpose of data presentation. Therefore, there are no data by the lower house of the state legislative districts for either Nebraska or the District of Columbia.

State Legislative District Codes - A unique 3-character census code, identified by state participants, is assigned to each state legislative district upper (senate) and lower (house) within a state. In Connecticut, Illinois, Louisiana, Maine, Maryland, Massachusetts, Michigan, Ohio, and Puerto Rico, the state participant did not assign the current state legislative districts to cover all of the state or equivalent area. The code "ZZZ" has been assigned to areas with no state legislative districts defined (usually large water bodies). These unassigned areas are treated as a single state legislative district for purposes of data presentation.

Other Notes on State Legislative Districts

- The state of Ohio generated their state legislative plans using custom geography from the state's Ohio Common and Unified Redistricting Database produced by Cleveland State University. These shapefiles approximate those plans using Census Bureau geography.
- The states of Maryland and New York adjusted the 2010 Census P.L. [94-171] redistricting data for their respective states by reallocating state prisoner populations to their last known residence. Information on these adjustments is available by visiting each state's website: MD http://planning.maryland.gov/redistricting/; NY http://www.latfor.state.ny.us/.
- The state of Hawaii adjusted the 2010 Census P.L. [94-171] redistricting data to remove non-resident military personnel and non-resident students. Information on this adjustment is available at http://elections.hawaii.gov/about-us/boards-and-commissions/reapportionment/.
- The state of Kansas adjusted the 2010 Census P.L. [94-171] redistricting data to exclude non-resident students and non-resident military personnel and to include resident students and members of the military at the place of their permanent residence for state legislative redistricting. Information on this adjustment is available at http://www.kslegresearch.org/KLRD-web/Redistricting.html.
- The state of New Hampshire uses floterial districts in their lower-chamber (SLDL) plan. Floterial districts are overlay districts made up of two or more discrete districts. These discrete or component districts are those represented in the New Hampshire SLDL shapefile. A listing of the floterial districts and their component districts is available as a report (pdf) at https://www2.census.gov/programs-surveys/decennial/rdo/mapping-files/2012/2012-state-legislative-bef/nh-2012-floterial-list.pdf

3.19.1 State Legislative District Lower Chambers (SLDL) State-based Shapefile Record Layout (Current)

File Name: tl_2019_<stateFIPS>_sldl.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
SLDLST	3	String	Current state legislative district lower chamber code
GEOID	5	String	State legislative district lower chamber identifier; a concatenation of the current state FIPS code and state legislative district lower chamber code
NAMELSAD	100	String	Current name and the translated legal/statistical area description for state legislative district lower chamber

Field	Length	Type	Description
LSAD	2	String	Current legal/statistical area description code for state legislative district lower chamber
LSY	4	String	Legislative session year
MTFCC	5	String	MAF/TIGER feature class code (G5220)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.19.2 State Legislative District Upper Chambers (SLDU) State-based Shapefile Record Layout (Current)

File Name: tl_2019_<stateFIPS>_sldu.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
SLDUST	3	String	Current state legislative district upper chamber code
GEOID	5	String	State legislative district upper chamber identifier; a concatenation of the current state FIPS code and state legislative district upper chamber code
NAMELSAD	100	String	Current name and the translated legal/statistical area description for state legislative district upper chamber
LSAD	2	String	Current legal/statistical area description code for state legislative district upper chamber
LSY	4	String	Legislative session year
MTFCC	5	String	MAF/TIGER feature class code (G5210)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point

Field	Length	Type	Description
INTPTLON	12	String	Current longitude of the internal point

3.20 Subbarrio (Subminor Civil Division)

Subbarrio (Subminor civil division - sub-MCD) geography and attributes for Puerto Rico are available in the following shapefile:

Subbarrio (SubMinor Civil Division) State-based Shapefile (Current)

Subbarrios, located in Puerto Rico, are legally defined subdivisions of minor civil divisions (MCDs) named barrios-pueblo and barrios. Subbarrios do not exist within every MCD in Puerto Rico nor do they necessarily cover the entire area of an MCD where they do exist. The Puerto Rico Planning Board through the Boundary and Annexation Survey provided the boundaries of the subbarrios to the Census Bureau. The subbarrio boundaries are as of January 1, 2019. For more information, please visit: https://www.census.gov/programs-surveys/bas.html.

The 2019 TIGER/Line Shapefiles contain the 5-character FIPS codes for subbarrios as well as 8-character National Standard (GNIS) codes.

3.20.1 Subbarrio (Subminor Civil Division) State-based Shapefile Record Layout (Current)

File Name: tl_2019_72_subbarrio.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
COUSUBFP	5	String	Current county subdivision FIPS code
SUBMCDFP	5	String	Current subminor civil division FIPS code
SUBMCDNS	8	String	Current subminor civil division GNIS code
GEOID	15	String	Subminor civil division identifier; a concatenation of current state FIPS code, county FIPS code, county subdivision FIPS code, and subminor civil division FIPS code
NAME	100	String	Current subbarrio name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for subbarrio
LSAD	2	String	Current legal/statistical area description code for subbarrio
CLASSFP	2	String	Current FIPS class code

Field	Length	Type	Description
MTFCC	5	String	MAF/TIGER feature class code (G4060)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

3.21 Topological Faces (Polygons with All Geocodes)

Topological face information is available in the following shapefile:

Topological Faces (Polygons with All Geocodes) County-based Shapefile (Current)

The Topological Faces shapefile contains the attributes of each topological primitive face. The attributes associated with each face in this shapefile contain both current and 2010 census block information. The Census Bureau created a set of census blocks for the 2010 Census, identified by a 4-character number with the first digit representing the block group. Throughout the decade, changes to census blocks can occur due to changes in boundaries of the incorporated places, legislative districts, and census tracts that form census block boundaries. The Census Bureau may also split a large census block into more than one piece. All resulting blocks keep the original census block number, followed by a unique alpha character suffix (e.g. block 1001A and 1001B). In a few cases, especially with census tract and block group changes, the first digit in the census block number may no longer represent the current block group.

Due to potential updates to the codes, it is important not to mix 2010 Census geographic codes with current geographic codes. A block can only be unique by using the decennial census state, county, tract, and block group (STATEFP10 + COUNTYFP10 + TRACTCE10 + BLKGRPCE10) to get the correct block group corresponding to the BLOCKCE or BLOCKCE10. (Note that BLOCKCE10 and BLOCKCE are always identical.) Replacing any of these decennial codes with current codes can lead to false duplicate and/or noncontiguous blocks, as well as state, county, tract, and/or block group changes.

3.21.1 Topological Faces (Polygons with All Geocodes) County-based Shapefile Record Layout (Current)

File Name: tl_2019_<state-countyFIPS>_faces.shp

Field	Length	Type	Description
TFID	10	Integer	Permanent face ID
STATEFP10	2	String	2010 Census state FIPS code
COUNTYFP10	3	String	2010 Census county FIPS code
TRACTCE10	6	String	2010 Census tract code

Field	Length	Type	Description
BLKGRPCE10	1	String	2010 Census block group number
BLOCKCE10	4	String	2010 Census tabulation block number
SUFFIX1CE	1	String	Current Census block suffix 1
ZCTA5CE10	5	String	2010 Census 5-digit ZCTA code
UACE10	5	String	2010 Census urban area code
PUMACE10	5	String	2010 Census public use microdata area code
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
TRACTCE	6	String	Current census tract code
BLKGRPCE	1	String	Current block group number
COUSUBFP	5	String	Current county subdivision FIPS code
SUBMCDFP	5	String	Current subminor civil division FIPS code
ESTATEFP	5	String	Current estate FIPS code
CONCTYFP	5	String	Current consolidated city FIPS code
PLACEFP	5	String	Current place FIPS code
AIANNHFP	5	Number	Current American Indian/Alaska Native/Native Hawaiian area FIPS code
AIANNHCE	4	String	Current American Indian/Alaska Native/Native Hawaiian area census code
COMPTYP	1	String	Current American Indian/Alaska Native/Native Hawaiian area reservation/statistical area or off-reservation trust land Hawaiian home land indicator
TRSUBFP	5	Number	Current American Indian tribal subdivision FIPS code
TRSUBCE	3	String	Current American Indian tribal subdivision code
ANRCFP	5	String	Current Alaska Native Regional Corporation FIPS code
TTRACTCE	6	String	Current tribal census tract code
TBLKGPCE	1	String	Current tribal block group letter

Field	Length	Type	Description
ELSDLEA	5	String	Current elementary school district local education agency code
SCSDLEA	5	String	Current secondary school district local education agency code
UNSDLEA	5	String	Current unified school district local education agency code
CD116FP	2	String	116th congressional district FIPS code
SLDUST	3	String	Current state legislative district upper chamber code
SLDLST	3	String	Current state legislative district lower chamber code
CSAFP	3	String	Current combined statistical area code
CBSAFP	5	String	Current metropolitan statistical area/micropolitan statistical area code
METDIVFP	5	String	Current Metropolitan division code
CNECTAFP	3	String	Current combined New England city and town area code (New England states only)
NECTAFP	5	String	Current New England city and town area code (New England states only)
NCTADVFP	5	String	Current New England city and town area division code (New England states only)
LWFLAG	1	String	Land/water flag
OFFSET	1	String	Geographic corridor/offset flag
ATOTAL	14	Number	Total area
INTPTLAT	11	String	Latitude of the internal point
INTPTLON	12	String	Longitude of the internal point

3.22 Urban Areas

Urban area geography and attributes are available in the following shapefile:

Urban Area National Shapefile (2010 Census)

For the 2010 Census, the Census Bureau classified all territory, population, and housing units located within urbanized areas (UAs) and urban clusters (UCs) as urban. The Census Bureau delineates UA and UC boundaries to represent densely developed territory, encompassing residential, commercial, and

other non-residential urban land uses. In general, this territory consists of areas of high population density and urban land use resulting in a representation of the "urban footprint." Rural areas consist of territory, population, and housing units located outside of UAs and UCs.

For the 2010 Census, the urban and rural classification applied to the 50 states, the District of Columbia and Puerto Rico. Per agreements with the Island Areas, minor modifications to the classification applied to American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands.

Urbanized Areas (UAs)—An urbanized area consists of densely developed territory that contains 50,000 or more people. The Census Bureau delineates UAs to provide a better separation of urban and rural territory, population, and housing surrounding large places. The Census Bureau first introduced the urbanized area concept for the 1950 Census.

Urban Clusters (UCs)—An urban cluster consists of densely developed territory that has at least 2,500 but fewer than 50,000 people. The Census Bureau first introduced the UC concept for Census 2000 to provide a more consistent and accurate measure of urban population, housing, and territory throughout the United States, Puerto Rico, and the Island Areas. The Census Bureau identifies all qualifying urban areas in Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands as urban clusters based on agreements with the local governments. Thus, in the Island Areas, urban clusters may exceed 50,000 people.

Urban Area Titles and Codes—The title of each UA and UC may consist of up to three incorporated place or census designated place (CDP) names and will include the 2-letter U.S. Postal Service abbreviation for each state or statistically equivalent entity into which the UA or UC extends. However, if the UA or UC does not contain an incorporated place or CDP, the urban area title will include the single name of a minor civil division or populated place recognized by the U.S. Geological Survey's Geographic Names Information System (GNIS).

Each UC and UA is assigned a 5-character code, based on a national alphabetical sequence of all urban area names. A separate flag is included in data tabulation files to differentiate between UAs and UCs. In printed reports, this differentiation is included in the name.

Relationship to Other Geographic Entities— The Census Bureau delineates Urban Areas at the block level. Urban Areas may cross the boundaries of all other geographic areas for which the Census Bureau presents data, which means that all areas, other than blocks, may include both urban and rural areas. For more information, visit:
https://www.census.gov/programs-surveys/geography/guidance/geo-areas/urban-rural.html .

3.22.1 Urban Area (UA) National Shapefile Record Layout (2010 Census)

File Name: tl_2019_us_uac10.shp

Field	Length	Type	Description
UACE10	5	String	2010 Census urban area code
GEOID10	5	String	2010 Census urban area identifier; 2010 Census urban area code
NAME10	100	String	2010 Census urban area name

Field	Length	Type	Description
NAMELSAD10	100	String	2010 Census name and the translated legal/statistical area description for urban area
LSAD10	2	String	2010 Census legal/statistical area description code for urban area
MTFCC10	5	String	MAF/TIGER feature class code (G3500)
UATYP10	1	String	2010 Census urban area type
FUNCSTAT10	1	String	2010 Census functional status
ALAND10	14	Number	2010 Census land area
AWATER10	14	Number	2010 Census water area
INTPTLAT10	11	String	2010 Census latitude of the internal point
INTPTLON10	12	String	2010 Census longitude of the internal point

3.23 ZIP Code Tabulation Areas (5-digit)

ZIP Code tabulation area geography and attributes are available in the following shapefile:

5-Digit ZIP Code Tabulation Area (ZCTA5) National Shapefile (2010 Census)

ZIP Code tabulation areas (ZCTAs) are approximate area representations of U.S. Postal Service (USPS) 5-digit ZIP Code service areas that the Census Bureau creates using census blocks to present statistical data from censuses and surveys. The Census Bureau defines ZCTAs by allocating each block that contains addresses to a single ZIP Code tabulation area, usually to the ZCTA that reflects the most frequently occurring ZIP Code for the addresses within that block. Blocks that do not contain addresses but that are completely surrounded by a single ZIP Code tabulation area (enclaves) are assigned to the surrounding ZCTA; those surrounded by multiple ZCTAs will be added to a single ZCTA based on the longest shared border. The Census Bureau identifies 5-digit ZIP Code tabulation areas using a 5-character numeric code that represents the most frequently occurring USPS ZIP Code within that ZCTA. This code may contain leading zeros.

Data users should not use ZCTAs to identify the official USPS ZIP Code for mail delivery. The USPS makes periodic changes to ZIP Codes to support more efficient mail delivery. ZIP Codes that cover primarily nonresidential or post office box addresses may not have a corresponding ZCTA because the delineation process uses primarily residential addresses, resulting in a bias towards ZIP Codes used for city-style mail delivery.

ZIP Code Tabulation Area Codes—The Census Bureau identifies 5-digit ZCTAs using a 5-digit code. For more information, visit:
https://www.census.gov/programs-surveys/geography/guidance/geo-areas/zctas.html.

3.23.1 5-Digit ZIP Code Tabulation Area (ZCTA) National Shapefile Record Layout (2010 Census)

File Name: tl_2019_us_zcta510.shp

Field	Length	Type	Description
ZCTA5CE10	5	String	2010 Census 5-digit ZIP Code Tabulation Area code
GEOID10	5	String	2010 Census 5-digit ZIP Code Tabulation Area identifier, 2010 Census 5-digit ZIP Code Tabulation Area code
CLASSFP10	2	String	2010 Census FIPS 55 class code
MTFCC10	5	String	MAF/TIGER feature class code (G6350)
FUNCSTAT10	1	String	2010 Census functional status
ALAND10	14	Number	2010 Census land area
AWATER10	14	Number	2010 Census water area
INTPTLAT10	11	String	2010 Census latitude of the internal point
INTPTLON10	12	String	2010 Census longitude of the internal point

4. Relationship File Concept Overview

Relationships files are database files that provide additional attribute information that users can join to the TIGER/Line Shapefiles. The following sections describe, in alphabetical order, the geographic entity type displayed in each relationship file as well as the record layout for each file.

4.1 Address Ranges

Address range information is available in the following relationship file:

Address Ranges County-based Relationship File

The term “address range” refers to the collection of all possible structure numbers from the first structure number to the last structure number, including all numbers of a specified parity in between. Address ranges fall along an edge side relative to the coded direction of the edge. The 2019 TIGER/Line Shapefiles contain potential address ranges, not individual addresses. Potential ranges include the full range of possible structure numbers even though the actual structures might not exist (see Figure 5).

The address ranges relationship file contains the attributes of each address range. Each address range applies to a single edge side and has a unique address range identifier (ARID) value. A user can determine the edge to which an address range applies by linking the address range to the All Lines shapefile using the permanent edge identifier (TLID) attribute. Multiple address ranges can apply to the same edge because addresses with different number sequences (e.g., 101, 103, 1622, 1624…) or non-numeric characters (e.g., N101, N103, S099, S97) can appear along that edge. Note that the most inclusive address range associated with each side of a street edge appears in the All Lines shapefile.

The most inclusive address range is not a composite of the available address ranges. Instead, it has the largest range of potential house number values of all address ranges associated with the side of an edge. It. The Census Bureau provides the most inclusive address ranges for data users looking for data comparable to the address ranges supplied in the Record Type 1 (RT1) of the TIGER/Line data files.

ZIP Codes and Address Ranges

The address numbers used to create address ranges are commonly known as house number-street name style addresses (or city-style addresses). A house number-street name style address minimally consists of a structure number, street name, and a 5-digit ZIP Code; for example, 213 Main Street 90210. In the 2019 TIGER/Line Shapefiles, ZIP Codes are only associated to address ranges.

The ZIP Code is an attribute of the address ranges. The Address Ranges Relationship File has a 5-digit ZIP Code field containing a numeric code that may have leading zeroes. Both sides of a street typically have the same ZIP Code, but this is not always true. Different ZIP Codes may serve different sides of a street or cover addresses at each end of a street. Nearly all address ranges will have a ZIP Code, but there are a few instances where unknown ZIP Codes result in null/blank values in the ZIP Code field.

The 2019 TIGER/Line Shapefiles may not contain all street delivery ZIP Codes and may contain some non-delivery ZIP Codes. In some cases, P.O. Box delivery ZIP Codes may be associated with house number-street name style addresses that are not used for mail delivery (see below). The distribution of ZIP Codes in the TIGER/Line Shapefiles may not reflect the exact USPS ZIP Code service area. Likewise, the address range ZIP Codes may not match the ZIP Code Tabulation Area (ZCTA) for the area.

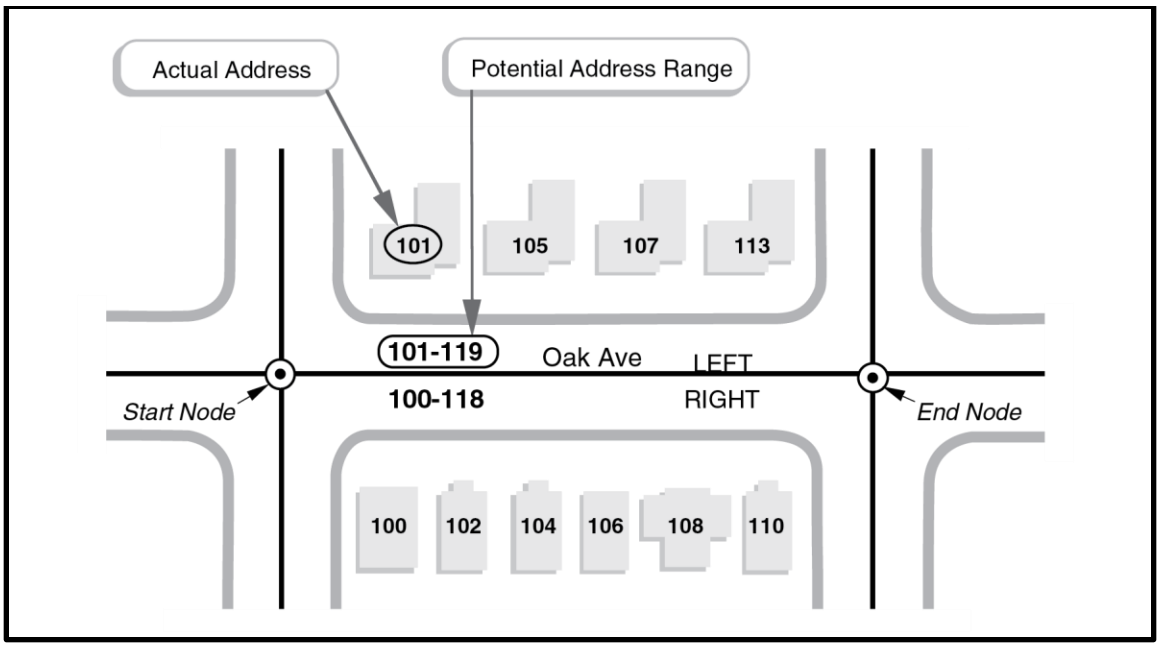

Figure 5: TIGER/Line Shapefiles Address Range Basics

The TIGER/Line Shapefiles contain potential address ranges for city-style addresses. The edge (between the start node and the end node) in the diagram above has two address ranges; the left side has odd-numbered addresses and the right side has the complementary even-numbered addresses. Potential address ranges along an edge have values that encompass the addresses of existing structures, as well as those not yet built.

Note: The most inclusive address range has the largest range of potential house number values of all address ranges associated with the side on an edge. It is not a composite of the available address ranges.

Table 5: Address range product comparison table

Layer Name	Filename	Spatial Data	Address Ranges	Geocoding Usability
All Lines Shapefile	edge.shp	Yes	Most inclusive address ranges	Limited geocoding
Address Range Feature Shapefile	addrfeat.shp	Yes	All address ranges	Best source for geocoding
Address Range Table	addr.dbf	No	All address ranges	No geocoding
Address Range to Feature Name Relationship Table	addrfn.dbf	No	No address ranges	No geocoding

Some basic characteristics of address ranges are as follows:

- The 2019 TIGER/Line Shapefiles generally contain address ranges with only house number-street name style addresses. They do not show rural route and post office box addresses. They may contain structure numbers assigned in select areas for use by local emergency services, but not for mail delivery. The 2019 TIGER/Line Shapefiles do include address ranges and ZIP Codes in some small places where the USPS provides only post office box service. These address ranges represent the structure numbers collected during the 2000 and 2010 census field operations, supplemented with addresses provided through local participant programs and intercensal Census Bureau activities and updates. These structure-number addresses may have ZIP Codes associated only with post office box addresses. The USPS does not recognize these street addresses as valid mailing addresses and does not assign a ZIP+4 Code to them or include them in the ZIP+4 file. The address ranges may be used to geocode a structure to the census block, but users should be aware of potential conflicts with similar or duplicate mailing street addresses.
- Gaps may exist between multiple ranges for a single edge. A gap may be significant because any numbers missing from one edge may actually appear on another edge. This situation occurs in cases where there are address anomalies such as out-of-parity or out-of-sequence addresses. The Census Bureau does not provide any single address-address ranges in the 2019 TIGER/Line Shapefiles, including out-of-parity and out-of-sequence address ranges that cover a single house number. For example, address 709 Main Street is in the middle of the even-side of the 700 block of Main Street and is suppressed because it is a single address-address range. The following address ranges for the 700 block of Main Street will appear in the 2019 TIGER/Line Shapefiles: 700-798 Main Street, 701-707 Main Street, and 711- 799 Main Street. Based on the information provided, data users cannot tell where 709 Main Street is located. Suppression of single address-address ranges is to protect the confidentiality of individual addresses as specified by Title 13 of the U.S. Code.
- Address ranges can include numbers with alphabetic characters. These characters help uniquely identify addresses within a county. For instance, certain unincorporated areas of Genesee County, Michigan, add a letter G prefix to the address number. The characters maintain a consistent column placement within the address range field; for example, the letter G maintains a consistent column placement in the range G1 to G99.
- Some address systems use a hyphen to separate avenue numbers, private road designators, and grid cell numbers from the structure numbers; for example, 10-01 Reynolds St. uses a hyphen to separate the avenue number (i.e. Tenth Avenue) from the structure number. Depending on the locality, the hyphen may be unnecessary for address matching.
- Address ranges exist only for street features, and in some cases, geographic corridor and geographic offset boundary features adjacent to street features. When these boundaries exist, the address ranges move from the street centerline to the boundary to ensure that addresses will geocode to the correct entity.
- Address ranges (consisting of a unique combination of structure number, ZIP Code, feature name, feature type, and directional) should not overlap; addresses should belong to only one address range. The Census Bureau edits address ranges to locate possible overlaps, but cannot guarantee that all possible overlap situations have been identified and resolved.
- Address ranges in the 2019 TIGER/Line Shapefiles may be associated with one or more of the street names that belong to an edge. Caution: Address range overlap conflicts may occur if the address ranges are associated with some street names or route numbers not intended for use in

locating addresses. A route number may traverse several streets with similar house numbers but different common names used for mail delivery.

Imputed Address Ranges

Imputed address ranges occur during the process of updating the MAF/TIGER database when a new edge intersects an existing edge with address ranges. The intersection splits the existing edge and produces two new edges connected by a new node located at the intersection point. The update program divides the old address ranges between the two new edges and imputes the address range ends at the new node.

The impute process allocates either all or part of each original address range to each of the new edges in proportion to their lengths (see Figures 6 and 7). For each side of the original edge, the process considers all address ranges appearing on the side and determines the overall low and high addresses. The process assumes addresses are evenly distributed along the length of the edge and applies the proportion of edge lengths to the overall address range to calculate a split-point address for each side. Address ranges that fall entirely above or below the split-point address move intact to one of the new edges. The process divides any address ranges that contain the split-point address and allocates each part to one of the new edges. The new address range ends created from the split are imputed values and have the from address range type (FROMTYP) or to address range type (TOTYP) set to imputed value. Some intermediate address range ends also may carry the impute flag. These address range ends fall between the overall high and low address for edge sides that have more than one address range. In current practice, the imputation process will assign the entire address range to one of the edges if the other is very small and would receive only a single address using the proportional division of address ranges.

Geocoding

To get the best geocoding match results in ArcGIS, the Census Bureau advises data users to use the Address Range Feature Shapefile (ADDRFEAT.shp) to geo-reference/geocode addresses. Address ranges in the MAF/TIGER database may be separated into multiple address ranges on the same edge because of ZIP Code differences or to establish gaps created by address anomalies located elsewhere. Some address ranges may also include embedded alphanumeric characters or hyphens that make them distinct from the other address ranges on the same edge side. The ADDRFEAT.shp contains all of the address range to edge and street name relationships for a county to increase the number of potential geocoding matches. In comparison, the most inclusive address range in the All Line shapefile (EDGES.shp) can also be used for geocoding but a single pair of left- and right-side address ranges and the primary street name on the edge may not always provide complete address range coverage.

Limitations

Users of the address ranges in the 2019 TIGER/Line Shapefiles should be aware that address range overlaps, gaps, odd/even reversals, and low-high orientation reversals may exist in the data. With the exception of overlaps, these may be valid. While the Census Bureau continues to edit and correct data errors, it is possible that some still exist. The U.S. Census Bureau defines address ranges on a county-by-county basis. Streets that cross county boundaries may have overlapping address ranges. The Census Bureau is implementing checks to identify and correct these issues. Geocoders often return the address range located in the first county, alphabetically.

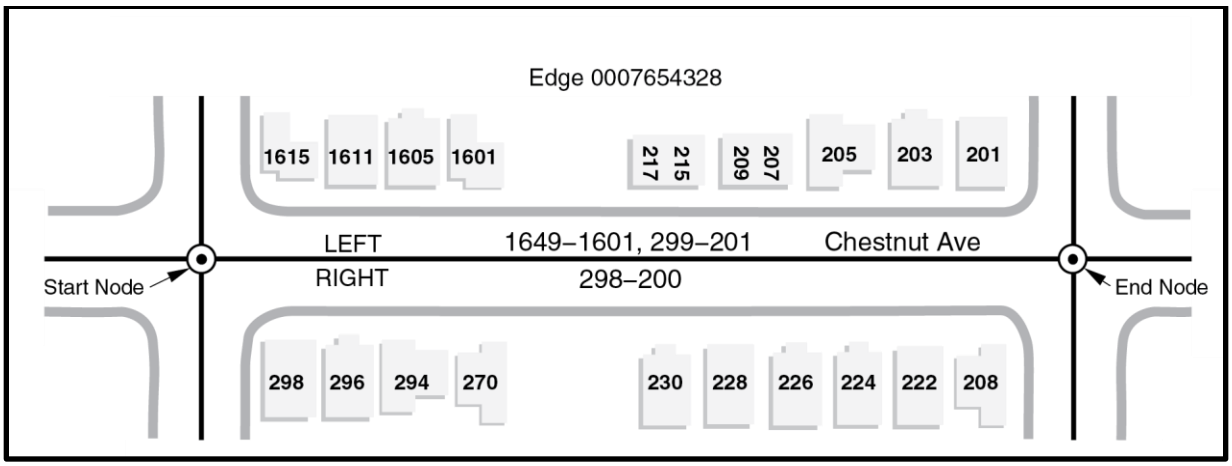

Figure 6: TIGER/Line Shapefile Address Range Imputes - Before Split

The MAF/TIGER database uses impute flags to indicate that the one or both ends of an address range reflect calculations instead of known values. Imputed address situations generally occur when a new edge splits an edge with existing address ranges. The illustration above shows the address ranges on Chestnut Ave. before a split.

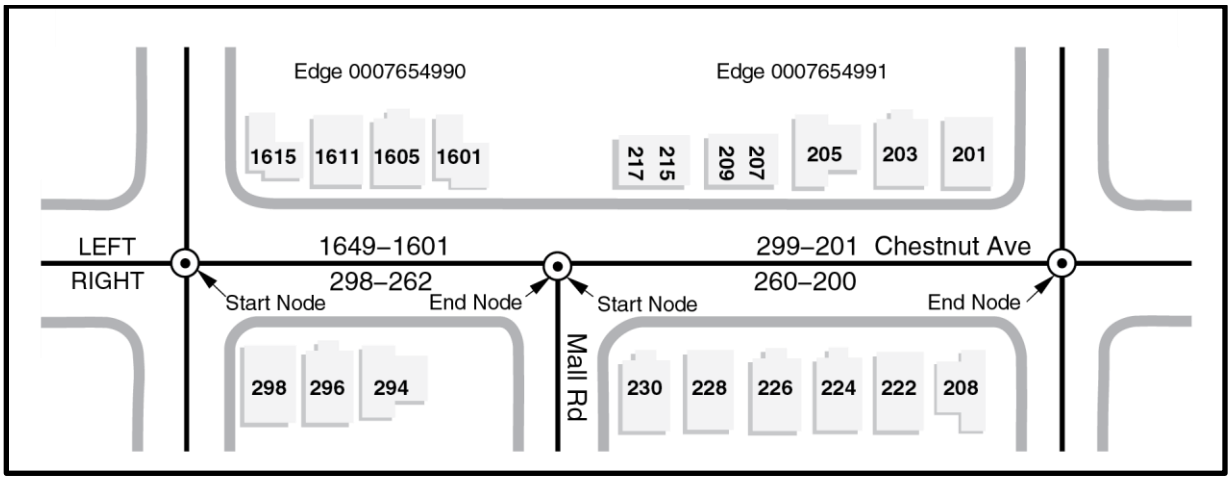

Figure 7: TIGER/Line Shapefile Address Range Imputes - After Split

In the diagram above, Mail Rd. has split the edge into two parts. The MAF/TIGER database will assign a new TIGER/Line identification number (TLID) to each part and delete the old number. It next determines the overall address range for each edge side (1649 to 201 on the left side and 298 to 200 on the right side) and the split points for each affected address range (approximately 1088 on the left side and 261 of the right side). Address ranges that fall entirely above or below the split point belong to one of the two new edges and do not get an impute flag. The MAF/TIGER database divides those address ranges that contain the split point and assigns a part to each of the edges.

4.1.1 Address Ranges County-based Relationship File Record Layout (Current)

File Name: tl_2019_<state-county FIPS>_addr.dbf

Field	Length	Type	Description
TLID	10	Integer	permanent edge ID
FROMHN	12	String	From house number
TOHN	12	String	To house number
SIDE	1	String	side indicator flag
ZIP	5	String	5-digit ZIP code
PLUS4	4	String	ZIP+4 code
FROMTYP	1	String	From address range end type
TOTYP	1	String	To address range end type
ARID	22	String	Address range identifier
MTFCC	5	String	MAF/TIGER feature class code

4.2 Address Range-Feature Name Relationships

Address range-to-feature name relationship information is available in the following relationship file:

Address Range-Feature Name County-based Relationship File

The address range-feature name relationship file contains a record for each address range-linear feature name relationship. The purpose of this relationship file is to identify all street names associated with each address range. An edge can have several feature names and an address range located on an edge can be associated with multiple feature names. A user can link to the Address Ranges Relationship File by using the address range identifier (ARID) attribute. The linear feature identifier (LINEARID) attribute identifies the linear feature name and relates the address range back to the Feature Names Relationship File.

4.2.1 Address Range-Feature Name County-based Relationship File Record Layout (Current)

File Name: tl_2019_<state-county FIPS>_addrfn.dbf

Field	Length	Type	Description
ARID	22	String	Address range identifier
LINEARID	22	String	Linear feature identifier

4.3 Feature Names

Feature name information is available in the following relationship file:

Feature Names County-based Relationship File

The Feature Names Relationship File contains a record for each feature name-edge combination and includes the feature name attributes. The edge to which a Feature Names Relationship File record applies can be determined by linking to the All Lines shapefile using the permanent edge identifier (TLID) attribute. Multiple Feature Names relationship table records can link to the same edge. For example, a road edge could link to U.S. Hwy 22 and Rathburn Road. The linear feature identifier (LINEARID) attribute identifies the linear feature to which the feature name applies. Multiple feature names may exist for the same edge. Linear features are not included in the data set, but users can construct them using the All Lines shapefile and the relationship tables.

Note that the MTFCC in this relationship file refers to the specific MAF/TIGER feature class code associated with this linear feature and feature name. If the edge is both a road and a rail feature, the name associated with the rail feature will carry a rail feature MTFCC. If there are any address ranges on the edge, they apply only to the designated street features.

Appendices B, C, and D of this document include additional information about feature name components.

4.3.1 Feature Names County-based Relationship File Record Layout (Current)

File Name: tl_2019_<state-county FIPS>_featnames.dbf

Field	Length	Type	Description
TLID	10	Integer	permanent edge ID
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
NAME	100	String	Base name portion of the standardized name
PREDIRABRV	15	String	Prefix direction description component of the feature name
PRETYPABRV	50	String	Prefix type description component of the feature name
PREQUALABR	15	String	Prefix qualifier description component of the feature name
SUFDIRABRV	15	String	Suffix direction description component of the feature name
SUFTYPABRV	50	String	Suffix type description component of the feature name
SUFQUALABR	15	String	Suffix qualifier description component of the feature name

Field	Length	Type	Description
PREDIR	2	String	prefix direction code component of the feature name
PRETYP	3	String	prefix type code description component of the feature name
PREQUAL	2	String	prefix qualifier code component of the feature name
SUFDIR	2	String	suffix direction code component of the feature name
SUFTYP	3	String	suffix type code description component of the feature name
SUFQUAL	2	String	suffix qualifier code component of the feature name
LINEARID	22	String	Linear feature identifier
MTFCC	5	String	MAF/TIGER feature class code
PAFLAG	1	String	primary/alternate flag

4.4 Topological Faces-Area Landmark Relationships

Topological faces-to-area landmark relationship information is available in the following relationship file:

Topological Faces-Area Landmark State-based Relationship File

The Topological Faces-Area Landmark Relationship file contains a record for each face-area landmark relationship. The face to which a Topological Faces-Area Landmark Relationship File record applies can be determined by linking to the Topological Faces (Polygons with All Geocodes) Shapefile using the permanent face identifier (TFID) attribute. The area landmark to which a Topological Faces-Area Landmark relationship table record applies can be determined by linking to the Area Landmark shapefile using the area landmark identifier (AREAID) attribute. A face may be part of multiple area landmarks. An area landmark may consist of multiple faces.

4.4.1 Topological Faces-Area Landmark County-based Relationship File Record Layout (Current)

File Name: tl_2019_<state FIPS>_facesal.dbf

Field	Length	Type	Description
TFID	10	Integer	permanent face ID
AREAID	22	String	Area landmark identifier

4.5 Topological Faces-Area Hydrography Relationships

Topological faces-to-area hydrography relationship information is available in the following relationship file:

Topological Faces-Area Hydrography County-based Relationship File

The Topological Faces-Area Hydrography Relationship File contains a record for each face-area hydrography feature relationship. The face to which a Topological Faces-Area Hydrography Relationship File record applies can be determined by linking to the Topological Faces (Polygons with All Geocodes) using the permanent face identifier (TFID) attribute. The area hydrography feature to which a Topological Faces-Area Hydrography Relationship File record applies can be determined by linking to the Area Hydrography shapefile using the area hydrography identifier (HYDROID) attribute. A face may be part of multiple area water features. An area water feature may consist of multiple faces.

4.5.1 Topological Faces-Area Hydrography County-based Relationship File Record Layout (Current)

File Name: tl_2019_<state-county FIPS>_facesah.dbf

Field	Length	Type	Description
TFID	10	Integer	permanent face ID
HYDROID	22	String	Area hydrography identifier

4.6 Topological Faces-Military Installation Relationships

Topological faces-to-military installation relationship information is available in the following relationship file:

Topological Faces-Military Installation National Relationship File

The Topological Faces-Military Installation Relationship File contains a record for each face-military installation relationship. To find out more information about the face the military installation relates to, use the permanent face identifier (TFID) in the Topological Faces (Polygons with All Geocodes) Shapefile. To determine the military installation the record applies to use the area id (AREAID) attribute found in the Military Installations Shapefile. A military installation feature may consist of multiple faces.

4.6.1 Topological Faces-Military Installation National Relationship File Record Layout (Current)

File name: tl_2019_us_facesmil.dbf

Field	Length	Type	Description
TFID	10	Integer	Permanent face ID
AREAID	22	String	Area landmark identifier

5. Instructions for Downloading the TIGER/Line Shapefiles

5.1 Getting Started

There are four methods for downloading TIGER/Line Shapefiles from the U.S. Census Bureau:

- Website Interface
- Direct from FTP Site
- Connect via FTP Client
- Direct from Data.gov

To download the shapefiles you need an Internet Browser or an FTP client, as well as a utility that can unzip files. The files downloaded are zipped to save space and ensure you download all of the necessary files. Most systems have an unzipping utility built-in to the operation system. However, there are several free or low cost unzipping utilities such as WinZIP.

The examples below are from the 2013 version of the TIGER/Line Shapefiles but apply to all recent TIGER/Line Shapefile versions.

5.2 Website Interface

The website interface download method requires the least amount of technical knowledge. Start at the U.S. Census Bureau's TIGER website: https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html Select the tab for the version of TIGER/Line Shapefiles (e.g. 2018).

- Under download, below 2018 TIGER/Line Shapefiles, select Web Interface.
- Choose Web interface. (see Figure 8 below)

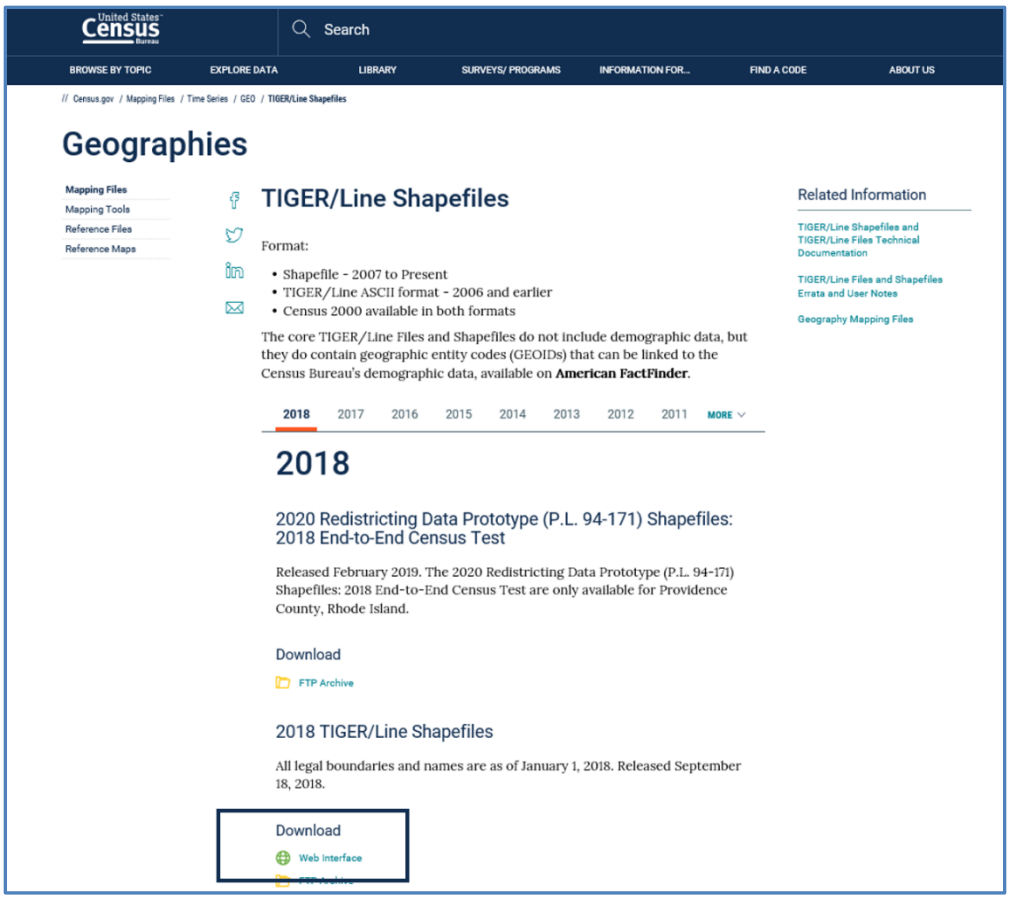

Figure 8: Select the tab for the desired year and then click on web interface. (See inside the rectangular box.)

- Select the geographic entity from the drop down menu you would like to download (e.g. census tracts) and click Submit. (see Figure 9 below)
- Choose the state and click Download. (see Figure 9 below) For a county-based file, you also need to choose the county on the following screen.
- Save the file to your computer or open the zip file.
- Repeat as necessary.

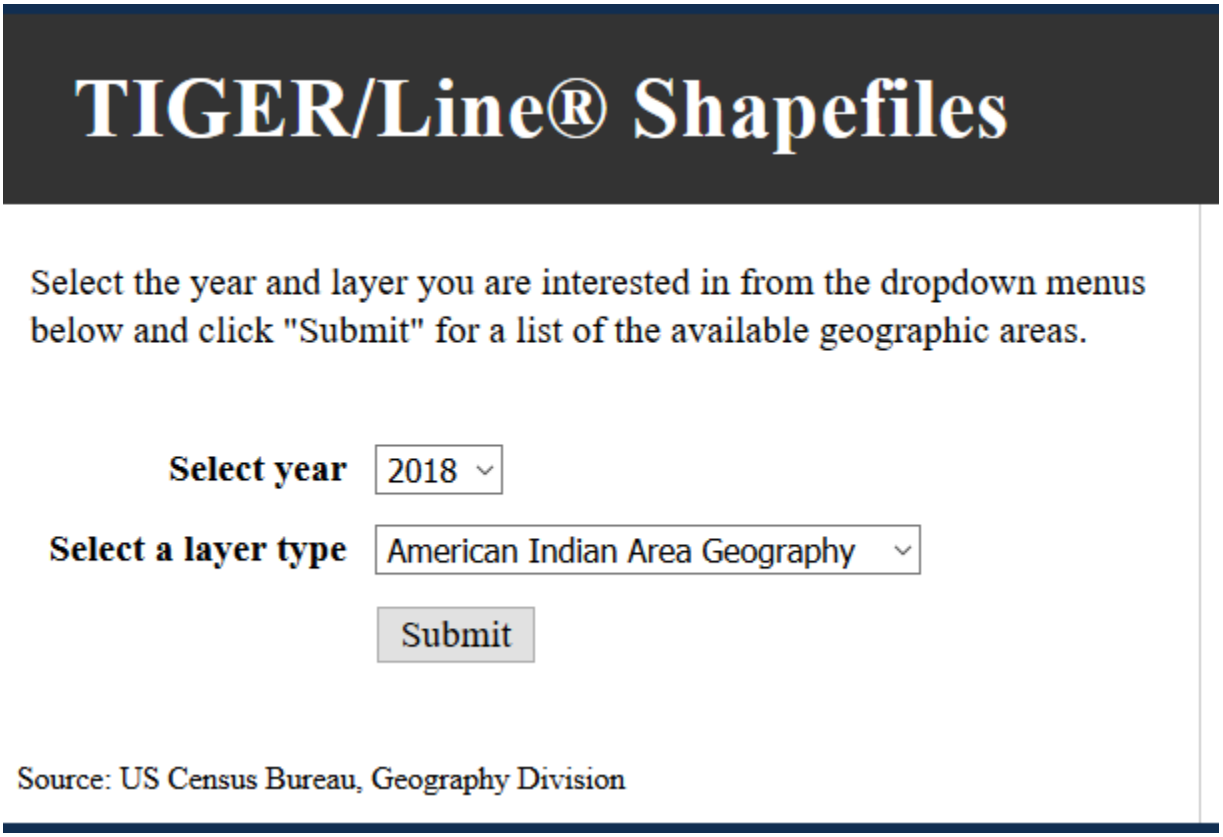

Figure 9: An example of the menus available in the web interface

5.3. Direct from FTP Site

Another option is to go directly to the Census Bureau's FTP site through a web browser. The address for the TIGER/Line Shapefiles is:
ftp://ftp2.census.gov/geo/tiger/ or https://www2.census.gov/geo/tiger/

- Navigate to the version of the TIGER/Line Shapefiles to download (e.g. TIGER2013).
- Navigate to the geographic entity to download (e.g. TRACT). (see Figure 10 below) Refer to Table 7 for the shapefile naming convention.

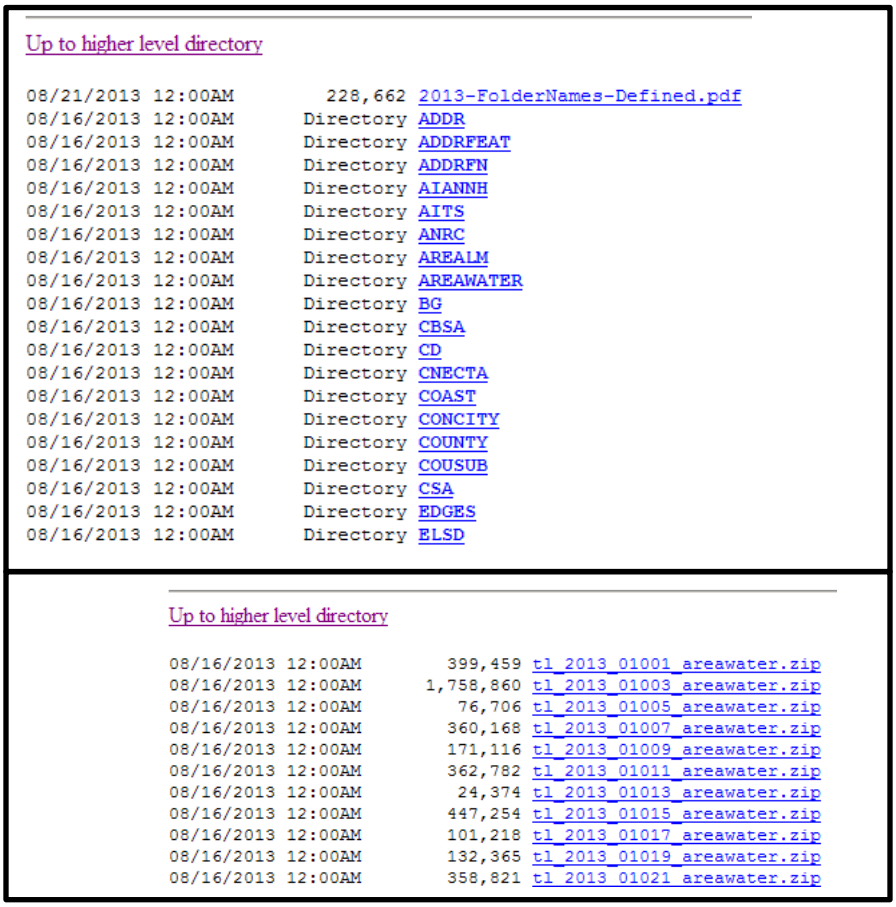

Figure 10: An example of the directory structure within the FTP site.

- Click on the shapefile name to download.
- If prompted, use “anonymous” for the user name and password.

Table 6: 2019 TIGER/Line Shapefile file name definitions

File Name	Shapefile/Relationship File
ADDR	Address Range Relationship File
ADDRFEAT	Address Range Feature
ADDRFN	Address Range-Feature Name Relationship
AIANNH	American Indian / Alaska Native / Native Hawaiian Areas
AITSN	American Indian Tribal Subdivision National
ANRC	Alaska Native Regional Corporation
AREALM	Area Landmark
AREAWATER	Area Hydrography
BG	Block Group
CBSA	Metropolitan Statistical Area / Micropolitan Statistical Area
CD	Congressional District
CNECTA	Combined New England City and Town Area
COASTLINE	Coastline
CONCITY	Consolidated City
COUNTY	County
COUSUB	County Subdivision
CSA	Combined Statistical Area
EDGES	All Lines
ELSD	Elementary School District
ESTATE	Estate
FACES	Topological Faces (Polygons with All Geocodes)
FACESAH	Topological Faces-Area Hydrography Relationship File
FACESAL	Topological Faces-Area Landmark Relationship File
FACESMIL	Topological Faces-Military Installation Relationship File
FEATNAMES	Feature Names Relationship File
LINEARWATER	Linear Hydrography
METDIV	Metropolitan Division
MIL	Military Installation
NECTA	New England City and Town Area
NECTADIV	New England City and Town Area Division
PLACE	Place
POINTLM	Point Landmark
PRIMARYROADS	Primary Roads
PRISECROADS	Primary and Secondary Roads
PUMA	Public Use Microdata Area
RAILS	Rails
ROADS	All Roads
SCSD	Secondary School Districts
SLDL	State Legislative District – Lower Chamber
SLDU	State Legislative District – Upper Chamber
STATE	State and Equivalent

File Name	Shapefile/Relationship File
SUBBARRIO	SubMinor Civil Division (Subbarios in Puerto Rico)
TABBLOCK	Tabulation (Census) Block
TBG	Tribal Block Group
TRACT	Census Tract
TTRACT	Tribal Census Tract
UAC	Urban Area/Urban Cluster
UNSD	Unified School District
ZCTA5	5-Digit ZIP Code Tabulation Area

The files are named tl_2019_<geographic area>_<filename>.zip. For national files, the geographic area is "us." For state and county-based files, the geographic area is the state or county Federal Information Processing Series (FIPS) code. The state codes are 2-character number and the county codes are 5-character numbers that include the 2-character state code and a 3-character county code. Lists of state and county FIPS codes can be found here:
https://www.census.gov/library/reference/code-lists/ansi.html.

Web browsers also have the option to display FTP pages in a "windows explorer" type format. This allows a user to copy entire directories (folders) at one time using copy and paste or drag and drop.

5.4 Connect via FTP Client

To access a large number of files the best option is to use an FTP client software to connect to the Census Bureau's FTP site. There are many free FTP clients. The host name must be the Census Bureau's main FTP site:
ftp2.census.gov.

Use "anonymous" for the user name and password. Then, navigate to the GEO, then TIGER folders.

5.5 Data.gov

The TIGER/Line Shapefiles are also available through the following website:
https://www.data.gov/

- Search by keyword and/or agency to find the individual shapefiles.

New TIGER/Line Shapefiles are added to Data.gov as they become available. Refer to Table 7 for the shapefile naming conventions.

6. Useful Links

6.1 User Notes

The Census Bureau posts user notes to share information concerning errors in or corrections to the TIGER/Line Shapefiles. Examples of such errors are duplicate records or missing attribute information.

User notes are located on the main TIGER/Line Shapefile webpage: https://www.census.gov/programs-surveys/geography/technical-documentation/user-note/tiger-geo-line.2018.html.

User notes are unique to each release of TIGER/Line Shapefiles. Click on the appropriate year's tab to find that year's user notes.

6.2 Help Documents

6.2.1 Definitions

Additional information about each geographic entity, available as a TIGER/Line Shapefile, is in several formats. For basic definitions, visit the Geographic Definitions tab under the Concepts and Definitions page.page:
https://www.census.gov/programs-surveys/acs/geography-acs/concepts-definitions.html .

This site provides definitions of geographic terms and concepts for geographic entities found in the TIGER/Line Shapefiles and other U.S. Census Bureau data products.

Brochures are located here:
https://www.census.gov/programs-surveys/geography/about/training/brochures.html.

For specific information about each state's geographic entities, history, rankings, and more, you can read the Guide to State and Local Census Geography PDF here:
https://www2.census.gov/geo/pdfs/reference/guidestloc/All_GSLCG.pdf.

Definitions for several of the codes found in the attributes of the TIGER/Line Shapefiles are located in the following links:

Legal/Statistical Area Description (LSAD) Codes:
https://www.census.gov/library/reference/code-lists/legal-status-codes.html

Class (CLASSFP) Codes:
https://www.census.gov/library/reference/code-lists/class-codes.html

Functional Status (FUNCSTAT) Codes:
https://www.census.gov/library/reference/code-lists/functional-status-codes.html

Route Type (RTTYP) Codes:
https://www.census.gov/library/reference/code-lists/route-type-codes.html

6.3 Additional TIGER Products for use in a GIS

6.3.1 TIGER Geodatabases

TIGER Geodatabases are spatial extracts from the U.S. Census Bureau's MAF/TIGER database for use with Esri's ArcGIS. The geodatabases contain both national and state coverage for boundaries and features. These files provide a way for data users to access larger amounts of geographic data with one download, however, the files are large. Technical documentation for the TIGER Geodatabases is available. These files are available here:
https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-geodatabase-file.html .

6.3.2 TIGER/Line Shapefiles and Geodatabases with Demographic Data

A limited set of TIGER/Line Shapefiles and TIGER Geodatabases are available with selected demographic and economic data, including the 2010 Census and the American Community Survey. These files attempt to make GIS analysis and thematic mapmaking easier because they provide the data user with the geography and demographic data in one download. Each file also contains a metadata file to provide additional information about the demographic data included. Access these files here:
https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-data.html

6.3.3 Cartographic Boundary Files

The cartographic boundary files are simplified representations of selected geographic areas from the Census Bureau's MAF/TIGER database. The Census Bureau designs these boundary files specifically for small-scale, thematic mapping. In addition, these generalized files are clipped to the shoreline to show a simplified version of the U.S. outline. Cartographic boundary files are available in shapefile format for the 2010 Census, Census 2000, and selected geographies for other years. In addition, they are available in shapefile and KML format beginning in 2013 and updates will be released annually one year after their corresponding TIGER/Line Shapefile release. KML stands for keyhole markup language and is a file format used to display geographic data in a tool such as Google Earth and Google Maps. The cartographic boundary files have less attribute information than the TIGER/Line Shapefiles and are not available for all the same geographic entities as the TIGER/Line Shapefiles. They can be downloaded from the following webpage:
https://www.census.gov/programs-surveys/geography/technical-documentation/naming-convention/cartographic-boundary-file.html .

Appendix A. Pseudo-School Districts

2019 School District Review Program Pseudo-School Districts (stored as Unified School Districts)

Column headers:

STATEFP19 2019 ACS state FIPS code
SDLEA19 2019 ACS unified school district local education agency code
NAME19 2019 ACS unified school district name

STATEFP19	SDLEA19	NAME19
34	34001	Joint Base McGuire-Dix-Lakehurst

2019 School District Review Program Pseudo-School Districts (stored as Elementary School Districts)

Column headers:

STATEFP19 2019 ACS state FIPS code
SDLEA19 2019 ACS elementary school district local education agency code
NAME19 2019 ACS elementary school district name

STATEFP19	SDLEA19	NAME19
17	99002	Bluford Unit School District 318 (KG-8) in Mount Vernon
17	99003	Woodlawn Unit District 209 (KG-8) in Mount Vernon
17	99007	Woodlawn Unit District 209 (KG-8) in Nashville

2019 School District Review Program Pseudo-School Districts (stored as Secondary School Districts)

Column headers:

STATEFP19 2019 ACS state FIPS code
SDLEA19 2019 ACS secondary school district local education agency code
NAME19 2019 ACS secondary school district name

STATEFP19	SDLEA19	NAME19
06	06001	Yosemite Unified School District (9-12)
06	06003	Twin Rivers Unified School District (9-12)
06	06004	Twin Rivers Unified School District (7-12)
06	06005	Scott Valley Unified School District (9-12)
06	06006	Trinity Alps Unified School District (9-12)
06	06013	Turlock Unified School District (9-12)
06	06015	Santa Cruz City High School District (9-12)
06	06016	Dinuba Unified (9-12)
06	06018	Washington Unified School District (9-12)
06	06019	Santa Barbara Unified School District (7-12)
06	06020	Lammersville Joint Unified School District (9-12)
06	06021	Bishop Unified School District (9-12)
06	06022	Santa Paula Unified (9-12)
06	06025	Hamilton Unified School District (9-12)
06	06026	Woodlake Unified School District (9-12)
06	06028	Exeter Unified School District (9-12)
06	06031	Tracy Unified School District (9-12)
06	06034	Perris Union High School District (9-12)
06	06037	Alhambra Unified School District (9-12)
06	06038	Healdsburg Unified in Alexander Valley Union (7-12)
06	06053	Gonzales Unified School District (9-12)
06	06107	Porterville Unified School District (9-12)
06	99001	Gridley Unified School District (9-12)

06	99002	Caruthers Unified School District (9-12)
06	99003	Riverdale Joint Unified School District (9-12)
06	99004	Sierra Unified School District (9-12)
06	99005	Orland Joint Unified School District (9-12)
06	99006	Eureka City Unified School District (7-12)
06	99007	Eureka City Unified School District (9-12)
06	99008	Upper Lake Unified School District (9-12)
06	99009	Coast Unified School District (9-12)
06	99010	Paso Robles Joint Unified School District (9-12)
06	99011	Santa Cruz City High School District (6-12)
06	99012	Hughson Unified School District (9-12)
06	99013	Oakdale Joint Unified School District (9-12)
06	99014	Nevada Joint Union High School District (9-12)
13	13053	Chattahoochee County for Fort Benning
13	13215	Muscogee County for Fort Benning
17	17901	Flanagan-Cornell District 74 in Cornell
17	17902	Flanagan-Cornell District 74 in Pontiac
17	17903	Flanagan-Cornell District 74 in Rooks Creek
17	99001	Bluford Unit School District 318 (9-12) in Farrington
17	99004	Bluford Unit School District 318 (9-12) in Opdyke-Belle Rive
17	99005	Woodlawn Unit District 209 (9-12) in Grand Prairie
17	99006	Woodlawn Unit District 209 (9-12) in Rome
17	99008	Woodlawn Unit District 209 (9-12) in Ashley
21	21001	Laurel County School District for East Bernstadt ISD

21	21002	Pulaski County School District for Science Hill ISD
21	21003	Elizabethtown Independent School District for West Point ISD
21	21004	Jefferson County School District in Anchorage ISD
21	21005	Campbell County School District in Southgate ISD
25	22222	Mohawk Trail Regional School District in Hawley and Charlemont towns
25	25002	North Adams School District in Clarksburg (9-12)
25	25003	Gill-Montague School District in Erving (7-12)
25	25005	Swampscott School District in Nahant (7-12)
25	25006	Pittsfield School District in Richmond (9-12)
25	25007	Mohawk Trail School District in Rowe (7-12)
25	25008	Adams-Cheshire School District in Savoy (7-12)
25	25009	North Adams School District in Florida (9-12)
25	25010	Fairhaven/New Bedford School Districts in Acushnet (9-12)
25	25012	Nauset/Provincetown School Districts in Turo (7-12)
25	25013	Mount Greylock/New Lebanon (NY) School Districts in Hancock (7-12)
25	25014	North Adams School District in Monroe (9-12)
25	25015	Lee/Berkshire Hills in Farmington River Regional (7-12)
27	27001	Park Rapids Public School District in Pine Point (9-12)
27	27002	Clinton-Graceville-Beardsley-Wheaton-Sisseton/Wilmot (SD) in Browns Valley (9-12)
27	27003	Minneota-Ivanhoe Public School Districts in Ivanhoe (7-12)
27	27004	Marshall-Minneota-RTR Public Schools in Lynd (9-12)
27	27005	Marshall-Tracy Public Schools in Milroy (9-12)

27	27006	Heron Lake-Okabena-Fulda-Worthington in Round Lake-Brewster (9-12)
27	27007	St. Louis-Northland in Nett Lake (7-12)
27	99001	Elkton School District 05-3 in Lake Benton (7-12)
40	40001	Secondary Coverage Area in White Oak Public Schools (9-12)
40	99001	Frederick Public Schools in Davidson (9-12)
45	45013	Beaufort County School District within Beaufort Marine Corps Air Station
45	45079	Richland County School District 2 within Fort Jackson
47	47001	Anderson County School District in Clinton
47	47002	Arlington Community Schools in Lakeland (9-12)
47	47029	Cocke County School District in Newport
47	47031	Coffee County School District in Manchester
47	47033	Crockett County School District in Alamo
47	47034	Crockett County School District in Bells
47	47073	Hawkins County School District in Rogersville
47	47077	Henderson County School District in Lexington
47	47079	Henry County School District in Paris
47	47107	McMinn County School District in Athens
47	47108	McMinn County School District in Etowah
47	47123	Monroe County School District in Sweetwater
47	47143	Rhea County School District in Dayton
47	47149	Rutherford County School District in Murfreesboro
47	47187	Williamson County School District in Franklin
47	47189	Wilson County School District in Lebanon

48	48285	Hallettsville Independent School District (9-12) in Vysehrad

Appendix B. Feature Name Directionals

Direction Code	Expanded Full Text	Directional Abbreviation	Spanish	Translation
11	North	N	-	-
12	South	S	-	-
13	East	E	-	-
14	West	W	-	-
15	Northeast	NE	-	-
16	Northwest	NW	-	-
17	Southeast	SE	-	-
18	Southwest	SW	-	-
19	Norte	N	Y	North
20	Sur	S	Y	South
21	Este	E	Y	East
22	Oeste	O	Y	West
23	Noreste	NE	Y	Northeast
24	Noroeste	NO	Y	Northwest
25	Sudeste	SE	Y	Southeast
26	Sudoeste	SO	Y	Southwest

Appendix C. Feature Name Qualifiers

Qualifier Code	Expanded Full Text	Display Name Abbreviation	Prefix Qualifier	Suffix Qualifier
11	Access	Acc	N	Y
12	Alternate	Alt	Y	Y
13	Business	Bus	Y	Y
14	Bypass	Byp	Y	Y
15	Connector	Con	N	Y
16	Extended	Exd	Y	Y
17	Extension	Exn	N	Y
18	Historic	Hst	Y	N
19	Loop	Lp	Y	Y
20	Old	Old	Y	N
21	Private	Pvt	Y	Y
22	Public	Pub	Y	Y
23	Scenic	Scn	N	Y
24	Spur	Spr	Y	Y
25	Ramp	Rmp	N	Y
26	Underpass	Unp	N	Y
27	Overpass	Ovp	N	Y

Appendix D. Feature Name Types

Type Code	Expanded Full Text	Display Name Abbreviation	Spanish	Translation	Prefix Type	Suffix Type
103	Academy	Acdmy			Y	Y
104	Acueducto	Acueducto	Yes	Aqueduct	Y	N
105	Aeropuerto	Aero	Yes	Airport	Y	N
106	Air Force Base	AFB			N	Y
107	Airfield	Airfield			N	Y
108	Airpark	Airpark			N	Y
109	Airport	Arprt			N	Y
110	Airstrip	Airstrip			N	Y
707	Alaska Route	AK Rte			Y	N
112	Alley	Aly			N	Y
115	Apartment Building	Apt Bldg			N	Y
116	Apartment Complex	Apt Complex			N	Y
117	Apartments	Apts			N	Y
118	Aqueduct	Aqueduct			N	Y
119	Arcade	Arc			Y	Y
121	Arroyo	Arroyo	Yes	Stream	Y	N
122	Assisted Living Center	Asstd Liv Ctr			N	Y
694	Assisted Living Facility	Asstd Liv Fac			N	Y
123	Autopista	Autopista	Yes	Expressway/Freeway	Y	N
124	Avenida	Ave	Yes	Avenue	Y	N
125	Avenue	Ave			Y	Y
126	Bahia	Bahía	Yes	Bay	Y	N
127	Bank	Bk			Y	Y
704	Base	Base			N	Y
128	Basin	Basin			N	Y
129	Bay	Bay			Y	Y
130	Bayou	Byu			Y	Y
131	Beach	Bch			N	Y
132	Bed and Breakfast	B and B			N	Y

136	Beltway	Beltway			N	Y
137	Bend	Bnd			N	Y
138	Bluff	Blf			N	Y
139	Boarding House	Brdng Hse			N	Y
140	Bog	Bog			N	Y
141	Bosque	Bosque	Yes	Forest	Y	N
142	Boulevard	Blvd			Y	Y
143	Boundary	Boundary			N	Y
146	Branch	Br			Y	Y
147	Bridge	Brg			N	Y
148	Brook	Brk			N	Y
149	Building	Bldg			Y	Y
150	Bulevar	Bulevar	Yes	Boulevard	Y	N
151	Bureau of Indian Affairs Highway	BIA Hwy			Y	N
152	Bureau of Indian Affairs Road	BIA Rd			Y	N
153	Bureau of Indian Affairs Route	BIA Rte			Y	N
154	Bureau of Land Management Road	BLM Rd			Y	N
696	Bypass	Byp			Y	Y
156	Calle	Cll	Yes	Street	Y	N
157	Calleja	Calleja	Yes	Narrow Street	Y	N
158	Callejón	Callejón	Yes	Alley	Y	N
159	Caminito	Cmt	Yes	Little Road	Y	N
160	Camino	Cam	Yes	Road/Way	Y	N
161	Camp	Cp			Y	Y
163	Campground	Cmpgrnd			N	Y
164	Campus	Cmps			N	Y
165	Canal	Cnl			Y	Y
172	Cano	Caño	Yes	Drain/Sewer	Y	N
166	Cantera	Cantera	Yes	Quarry/Gravel Pit	Y	N
167	Canyon	Cyn			Y	Y
168	Capilla	Capilla	Yes	Chapel	Y	N

169	Carretera	Carr	Yes	Road	Y	N
170	Causeway	Cswy			N	Y
171	Cayo	Cayo	Yes	Key	Y	N
173	Cementerio	Cem	Yes	Cemetery	Y	N
174	Cemetery	Cmtry			N	Y
175	Center	Ctr			Y	Y
176	Centro	Centro	Yes	Center	Y	N
177	Cerrada	Cer	Yes	Closed	Y	N
178	Chamber of Commerce	Cham of Com			N	Y
179	Channel	Chnnl			N	Y
180	Chapel	Cpl			Y	Y
181	Childrens Home	Childrens Home			N	Y
182	Church	Church			Y	Y
183	Circle	Cir			N	Y
184	City Hall	City Hall			N	Y
185	City Park	City Park			N	Y
186	Cliff	Clf			N	Y
187	Club	Clb			Y	Y
188	Colegio	Colegio	Yes	School	Y	N
189	College	Colg			Y	Y
190	Common	Cmn			N	Y
191	Commons	Cmns			Y	Y
192	Community Center	Community Ctr			N	Y
193	Community College	Community Colg			Y	Y
194	Community Park	Community Park			Y	Y
195	Complex	Complx			N	Y
197	Condominios	Condios	Yes	Condominiums	Y	N
198	Condominium	Condo			Y	Y
199	Condominiums	Condos			N	Y
201	Convent	Cnvnt			Y	Y
202	Convention Center	Convention Ctr			Y	Y

203	Corners	Cors			N	Y
204	Correctional Facility	Corr Faclty			N	Y
205	Correctional Institute	Corr Inst			N	Y
207	Corte	Corte	Yes	Court	Y	N
679	Cottage	Cottage			N	Y
208	Coulee	Coulee			N	Y
209	Country Club	Country Club			Y	Y
210	County Highway	Co Hwy			Y	N
211	County Home	Co Home			Y	Y
212	County Lane	Co Ln			Y	N
213	County Park	Co Park			N	Y
214	County Road	Co Rd			Y	N
215	County Route	Co Rte			Y	N
216	County State Aid Highway	Co St Aid Hwy			Y	N
217	County Trunk Highway	Co Trunk Hwy			Y	N
218	County Trunk Road	Co Trunk Rd			Y	N
219	Course	Crs			N	Y
220	Court	Ct			Y	Y
221	Courthouse	Courthouse			N	Y
222	Courts	Cts			N	Y
223	Cove	Cv			N	Y
225	Creek	Crk			N	Y
226	Crescent	Cres			N	Y
227	Crest	Crst			N	Y
228	Crossing	Xing			N	Y
229	Crossroads	Xroad			Y	Y
233	Cutoff	Cutoff			N	Y
234	Círculo	Cír	Yes	Circle	Y	N
235	Dam	Dm			N	Y
236	Delta Road	Delta Rd			Y	N
237	Department	Dept			Y	Y

238	Depot	Dep			N	Y
239	Detention Center	Detention Ctr			N	Y
240	District of Columbia Highway	DC Hwy			Y	N
241	Ditch	Ditch			Y	Y
242	Divide	Dv			N	Y
243	Dock	Dock			N	Y
244	Dormitory	Dormitory			N	Y
245	Drain	Drn			N	Y
246	Draw	Draw			N	Y
247	Drive	Dr			N	Y
248	Driveway	Driveway			Y	Y
249	Dump	Dump			N	Y
251	Edificio	Edif	Yes	Building	Y	N
252	Elementary School	Elem School			N	Y
253	Ensenada	Ensenada	Yes	Cove	Y	N
254	Entrada	Ent	Yes	Entrance	Y	N
256	Escuela	Escuela	Yes	School	Y	N
680	Esplanade	Esplanade			Y	Y
257	Estates	Ests			N	Y
260	Estuary	Estuary			N	Y
261	Expreso	Expreso	Yes	Expressway	Y	N
262	Expressway	Expy			Y	Y
263	Extension	Ext			Y	Y
264	Facility	Faclty			N	Y
265	Fairgrounds	Fairgrounds			N	Y
266	Falls	Fls			Y	Y
267	Farm	Frm			N	Y
268	Farm Road	Farm Rd			Y	N
269	Farm-to-Market Road	FM			Y	N
275	Fence Line	Fence Line			N	Y
276	Ferry Crossing	Ferry Crossing			Y	Y

277	Field	Fld			N	Y
278	Fire Control Road	Fire Cntrl Rd			Y	N
279	Fire Department	Fire Dept			N	Y
280	Fire District Road	Fire Dist Rd			Y	N
281	Fire Lane	Fire Ln			Y	N
282	Fire Road	Fire Rd			Y	N
283	Fire Route	Fire Rte			Y	N
284	Fire Station	Fire Sta			Y	Y
285	Fire Trail	Fire Trl			Y	N
286	Flowage	Flowage			N	Y
287	Flume	Flume			N	Y
288	Forest	Frst			N	Y
289	Forest Highway	Forest Hwy			Y	Y
290	Forest Road	Forest Rd			Y	N
291	Forest Route	Forest Rte			Y	N
292	Forest Service Road	FS Rd			Y	N
293	Fork	Frk			N	Y
294	Fort	Ft			Y	N
295	Four-Wheel Drive Trail	4WD Trl			Y	Y
296	Fraternity	Frtrnty			N	Y
297	Freeway	Fwy			N	Y
298	Garage	Grge			N	Y
299	Gardens	Gdns			N	Y
303	Glacier	Glacier			N	Y
304	Glen	Gln			N	Y
305	Golf Club	Golf Club			Y	Y
306	Golf Course	Golf Course			Y	Y
307	Grade	Grade			N	Y
309	Green	Grn			N	Y
310	Group Home	Group Home			N	Y
311	Gulch	Gulch			N	Y

312	Gulf	Gulf			Y	Y
313	Gully	Gully			N	Y
314	Halfway House	Halfway House			N	Y
315	Hall	Hall			N	Y
316	Harbor	Hbr			N	Y
317	Heights	Hts			N	Y
321	High School	High School			N	Y
322	Highway	Hwy			Y	Y
323	Hill	Hl			N	Y
324	Hollow	Holw			N	Y
325	Home	Home			Y	Y
326	Hospital	Hosp			Y	Y
327	Hostel	Hostel			N	Y
328	Hotel	Hotel			Y	Y
329	House	Hse			Y	Y
330	Housing	Hsng			Y	Y
332	Iglesia	Iglesia	Yes	Church	Y	N
333	Indian Route	Indian Rte			Y	N
334	Indian Service Route	Indian Svc Rte			Y	N
336	Industrial Park	Indl Park			N	Y
337	Inlet	Inlt			N	Y
338	Inn	Inn			Y	Y
339	Institute	Inst			Y	Y
340	Institution	Instn			N	Y
341	Instituto	Instituto	Yes	Institute	Y	N
342	Intermediate School	Inter School			N	Y
344	Interstate Highway	I-			Y	N
345	Isla	Isla	Yes	Island	Y	N
346	Island	Is			N	Y
347	Islands	Iss			Y	Y
348	Isle	Isle			Y	Y

349	Jail	Jail			N	Y
351	Jeep Trail	Jeep Trl			Y	Y
352	Junction	Junction			N	Y
353	Junior High School	Jr HS			N	Y
356	Kill	Kill			Y	Y
357	Lago	Lago	Yes	Lake	Y	N
358	Lagoon	Lagoon			N	Y
360	Laguna	Laguna	Yes	Lagoon	Y	N
361	Lake	Lk			Y	Y
362	Lakes	Lks			N	Y
363	Landfill	Lndfll			N	Y
364	Landing	Lndg			N	Y
365	Landing Area	Landing Area			Y	Y
366	Landing Field	Landing Fld			Y	Y
367	Landing Strip	Landing Strp			Y	Y
368	Lane	Ln			N	Y
369	Lateral	Lateral			Y	Y
370	Levee	Levee			Y	Y
371	Library	Lbry			Y	Y
372	Lift	Lift			Y	Y
373	Lighthouse	Lighthouse			N	Y
374	Line	Line			Y	Y
376	Lodge	Ldg			N	Y
377	Logging Road	Logging Rd			Y	Y
378	Loop	Loop			Y	Y
379	Mall	Mall			Y	Y
380	Manor	Mnr			N	Y
381	Mar	Mar	Yes	Sea	Y	N
382	Marginal	Marginal	Yes	Service Road	Y	N
383	Marina	Mrna			N	Y
384	Marsh	Marsh			N	Y

385	Meadows	Mdws			N	Y
386	Medical Building	Medical Bldg			N	Y
387	Medical Center	Medical Ctr			Y	Y
388	Memorial	Meml			N	Y
389	Memorial Gardens	Memorial Gnds			N	Y
390	Memorial Park	Memorial Pk			N	Y
391	Mesa	Mesa			Y	Y
392	Middle School	Mid Schl			N	Y
393	Military Reservation	Mil Res			N	Y
394	Millpond	Millpond			N	Y
395	Mine	Mine			N	Y
396	Mission	Mssn			Y	Y
397	Mobile Home Community	Mobile Hm Cmty			Y	Y
398	Mobile Home Estates	Mobile Hm Est			Y	Y
399	Mobile Home Park	Mobile Hm Pk			Y	Y
400	Monastery	Monstry			Y	Y
401	Monument	Mnmt			N	Y
403	Mosque	Mosque			Y	Y
404	Motel	Mtl			Y	Y
405	Motor Lodge	Motor Lodge			N	Y
406	Motorway	Mtwy			N	Y
407	Mount	Mt			Y	Y
408	Mountain	Mtn			N	Y
411	Museum	Mus			Y	Y
412	National Battlefield	Natl Bfld			N	Y
413	National Battlefield Park	Natl Bfld Pk			N	Y
414	National Battlefield Site	Natl Bfld Site			N	Y
415	National Conservation Area	Natl Cnsv Area			N	Y
416	National Forest	Natl Forest			N	Y
417	National Forest Development Road	Nat For Dev Rd			Y	N
708	National Forest System Road	NFS Rd			Y	N

419	National Grasslands	Natl Grsslnds			N	Y
420	National Historic Site	Natl Hist Site			N	Y
421	National Historical Park	Natl Hist Pk			N	Y
422	National Lakeshore	Natl Lkshr			N	Y
423	National Memorial	Natl Meml			N	Y
424	National Military Park	Natl Mil Pk			N	Y
425	National Monument	Natl Mnmt			N	Y
426	National Park	Natl Pk			N	Y
427	National Preserve	Natl Prsv			N	Y
428	National Recreation Area	Natl Rec Area			N	Y
429	National Recreational River	Natl Rec Riv			N	Y
430	National Reserve	Natl Resv			N	Y
431	National River	Natl Riv			N	Y
432	National Scenic Area	Natl Sc Area			N	Y
433	National Scenic River	Natl Sc Riv			N	Y
435	National Scenic Riverways	Natl Sc Rvrwys			N	Y
436	National Scenic Trail	Natl Sc Trl			N	Y
437	National Seashore	Natl Shr			N	Y
438	National Wildlife Refuge	Natl Wld Rfg			N	Y
439	Navajo Service Route	Navajo Svc Rte			Y	N
440	Naval Air Station	Naval Air Sta			N	Y
442	Nursing Home	Nurse Home			N	Y
444	Ocean	Ocean			N	Y
445	Oceano	Océano	Yes	Ocean	Y	N
446	Office	Ofc			Y	Y
447	Office Building	Office Bldg			N	Y
449	Office Park	Office Park			N	Y
698	Orchard	Orchard			N	Y
451	Orchards	Orchrds			N	Y
452	Orphanage	Orphanage			N	Y
453	Outlet	Outlet			N	Y

454	Oval	Oval			N	Y
455	Overpass	Opas			N	Y
456	Parish Road	Parish Rd			Y	N
457	Park	Park			N	Y
458	Park and Ride	Park and Ride			N	Y
460	Parkway	Pkwy			N	Y
461	Parque	Parque	Yes	Park	Y	N
462	Pasaje	Pasaje	Yes	Passage	Y	N
463	Paseo	Pso	Yes	Path	Y	N
464	Pass	Pass			Y	Y
465	Passage	Psge			Y	Y
466	Path	Path			N	Y
682	Pavilion	Pavilion			N	Y
467	Peak	Peak			N	Y
705	Penitentiary	Penitentiary			N	Y
468	Pier	Pier			Y	Y
469	Pike	Pike			N	Y
470	Pipeline	Pipeline			N	Y
472	Place	Pl			N	Y
473	Placita	Pla	Yes	Little Plaza	Y	N
474	Plant	Plnt			N	Y
683	Plantation	Plantation			N	Y
475	Playa	Playa	Yes	Beach	Y	N
476	Playground	Playground			N	Y
477	Plaza	Plz			Y	Y
478	Point	Pt			Y	Y
479	Pointe	Pointe			N	Y
480	Police Department	Police Dept			Y	Y
481	Police Station	Police Station			Y	Y
482	Pond	Pond			Y	Y
483	Ponds	Ponds			N	Y

485	Port	Prt			Y	Y
486	Post Office	Post Office			N	Y
487	Power Line	Power Line			N	Y
691	Power Plant	Power Plant			N	Y
488	Prairie	Pr			N	Y
489	Preserve	Preserve			N	Y
491	Prison	Prison			N	Y
690	Prison Farm	Prison Farm			N	Y
685	Promenade	Promenade			N	Y
492	Prong	Prong			N	Y
494	Puente	Puente	Yes	Bridge	Y	N
495	Quadrangle	Quadrangle			N	Y
496	Quarry	Quar			N	Y
686	Quarters	Quarters			N	Y
497	Quebrada	Qbda	Yes	Creek	Y	N
498	RV Park	RV Park			N	Y
499	Race	Race			N	Y
501	Rail	Rail			N	Y
502	Rail Link	Rail Link			Y	Y
504	Railnet	Railnet			N	Y
505	Railroad	RR			N	Y
506	Railway	Rlwy			N	Y
507	Ramal	Ramal	Yes	Short Street	Y	N
508	Ramp	Ramp			N	Y
510	Ranch Road	Ranch Rd			Y	N
511	Ranch to Market Road	RM			Y	N
512	Rancho	Rch	Yes	Ranch/Farm	Y	N
513	Ravine	Ravine			N	Y
514	Recreation Area	Rec Area			N	Y
515	Reformatory	Reformatory			N	Y
516	Refuge	Refuge			N	Y

518	Regional Park	Regional Pk			N	Y
519	Reservation	Reservation			N	Y
520	Reservation Highway	Resvn Hwy			Y	N
521	Reserve	Resv			N	Y
522	Reservoir	Reservoir			Y	Y
524	Residence Hall	Res Hall			N	Y
525	Residencial	Residencial	Yes	Public Housing Project	Y	N
526	Resort	Resrt			N	Y
688	Rest Home	Rest Home			N	Y
527	Retirement Home	Retirement Hme			N	Y
528	Retirement Village	Retirement Vlg			N	Y
529	Ridge	Rdg			N	Y
543	Rio	Río	Yes	River	Y	N
530	River	Riv			N	Y
531	Road	Rd			Y	Y
533	Roadway	Roadway			N	Y
535	Rock	Rock			Y	Y
536	Rooming House	Rooming Hse			N	Y
537	Route	Rte			Y	Y
538	Row	Row			Y	Y
539	Rue	Rue			Y	Y
540	Run	Run			N	Y
541	Runway	Runway			Y	Y
542	Ruta	Ruta	Yes	Route	Y	N
545	Sanitarium	Sanitarium			N	Y
546	School	Schl			Y	Y
549	Sea	Sea			Y	Y
550	Seashore	Seashore			N	Y
552	Sector	Sec	Yes	Sector	Y	N
553	Seminary	Smry			Y	Y
554	Sendero	Sendero	Yes	Foot Path	Y	N

555	Service Road	Svc Rd			Y	Y
556	Shelter	Shelter			N	Y
558	Shop	Shop			N	Y
699	Shopping Center	Shopping Ctr			N	Y
560	Shopping Mall	Shopping Mall			N	Y
700	Shopping Plaza	Shopping Plz			N	Y
703	Site	Site			N	Y
564	Skyway	Skwy			Y	Y
565	Slough	Slough			N	Y
566	Sonda	Sonda	Yes	Sound	Y	N
567	Sorority	Sorority			Y	Y
568	Sound	Snd			Y	N
569	Spa	Spa			Y	Y
570	Speedway	Speedway			Y	Y
571	Spring	Spg			N	Y
572	Spur	Spur			Y	Y
573	Square	Sq			Y	Y
575	State Beach	State Beach			N	Y
577	State Forest	State Forest			N	Y
578	State Forest Service Road	St FS Rd			Y	N
579	State Highway	State Hwy			Y	N
580	State Hospital	State Hospital			Y	Y
581	State Loop	State Loop			Y	N
582	State Park	State Park			N	Y
584	State Prison	State Prison			N	Y
585	State Road	State Rd			Y	N
586	State Route	State Rte			Y	N
588	State Spur	State Spur			Y	N
589	State Trunk Highway	St Trunk Hwy			Y	N
591	Station	Sta			N	Y
592	Strait	Strait			Y	Y

593	Stravenue	Stra			N	Y
594	Stream	Strm			N	Y
595	Street	St			N	Y
596	Strip	Strip			Y	Y
599	Swamp	Swamp			N	Y
600	Synagogue	Synagogue			Y	Y
601	Tank	Tank			N	Y
603	Temple	Tmpl			Y	Y
604	Terminal	Trmnl			N	Y
605	Terrace	Ter			Y	Y
687	Thoroughfare	Thoroughfare			N	Y
607	Toll Booth	Toll Booth			Y	Y
701	Toll Road	Toll Rd			N	Y
610	Tollway	Tollway			N	Y
611	Tower	Twr			Y	Y
612	Town Center	Town Ctr			Y	Y
613	Town Hall	Town Hall			N	Y
614	Town Highway	Town Hwy			Y	N
615	Town Road	Town Rd			Y	N
616	Towne Center	Towne Ctr			Y	Y
617	Township Highway	Twp Hwy			Y	N
618	Township Road	Twp Rd			Y	N
619	Trace	Trce			N	Y
620	Track	Trak			Y	Y
621	Trafficway	Trfy			N	Y
622	Trail	Trl			Y	Y
623	Trailer Court	Trailer Ct			N	Y
624	Trailer Park	Trailer Pk			N	Y
628	Transmission Line	Trans Ln			N	Y
702	Treatment Plant	Trmt Plant			Y	Y
630	Tribal Road	Tribal Rd			Y	N

632	Trolley	Trolley			Y	Y
633	Truck Trail	Truck Trl			Y	Y
634	Tunnel	Tunl			Y	Y
635	Turnpike	Tpke			N	Y
636	Túnel	Túnel	Yes	Tunnel	Y	N
638	US Forest Service Highway	USFS Hwy			Y	N
639	US Forest Service Road	USFS Rd			Y	N
640	US Highway	US Hwy			Y	N
641	US Route	US Rte			Y	N
637	Underpass	Upas			Y	Y
642	Universidad	Universidad	Yes	University/College	Y	N
643	University	Univ			Y	Y
644	Valley	Vly			N	Y
645	Vereda	Ver	Yes	Path	Y	N
655	Via	Via	Yes	Way	Y	N
646	Viaduct	Viaduct			N	Y
647	View	Vw			N	Y
648	Villa	Villa			Y	Y
649	Village	Vlg			Y	Y
650	Village Center	Village Ctr			Y	Y
697	Vineyard	Vineyard			N	Y
652	Vineyards	Vineyards			N	Y
654	Vista	Vis			Y	Y
656	Walk	Walk			N	Y
657	Walkway	Walkway			N	Y
659	Wash	Wash			N	Y
660	Waterway	Waterway			N	Y
661	Way	Way			N	Y
663	Wharf	Wharf			N	Y
664	Wild River	Wild River			N	Y
665	Wild and Scenic River	Wld n Snc Riv			N	Y

666	Wilderness	Wilderness			N	Y
667	Wilderness Park	Wilderenss Pk			N	Y
668	Wildlife Management Area	Wldlf Mgt Area			N	Y
669	Winery	Winery			Y	Y
670	YMCA	YMCA			Y	Y
671	YWCA	YWCA			Y	Y
672	Yard	Yard			N	Y
673	Yards	Yards			Y	Y
675	Zanja	Zanja	Yes	Ditch	Y	N
676	Zoo	Zoo			Y	Y

Appendix E. 2019 MAF/TIGER Feature Class Code (MTFCC) Definitions

MTFCC	Feature Class	Superclass	Point	Linear	Areal	Feature Class Description
C3022	Mountain Peak or Summit	Miscellaneous Topographic Features	Y	N	N	A prominent elevation rising above the surrounding level of the Earth's surface.
C3023	Island	Miscellaneous Topographic Features	Y	Y	Y	An area of dry or relatively dry land surrounded by water or low wetland. [including archipelago, atoll, cay, hammock, hummock, isla, isle, key, moku, and rock]
C3024	Levee	Miscellaneous Topographic Features	N	Y	Y	An embankment flanking a stream or other flowing water feature to prevent overflow.
C3026	Quarry (not water-filled), Open Pit Mine or Mine	Miscellaneous Topographic Features	Y	N	Y	An area from which commercial minerals are or were removed from the Earth; not including an oilfield or gas field.
C3027	Dam	Miscellaneous Topographic Features	Y	Y	Y	A barrier built across the course of a stream to impound water and/or control water flow.
C3061	Cul-de-sac	Miscellaneous Topographic Features	Y	N	N	An expanded paved area at the end of a street used by vehicles for turning around. The placement of addressed structures located along the street may wrap around the end of the cul-de-sac.
C3062	Traffic Circle	Miscellaneous Topographic Features	Y	N	N	A circular intersection allowing for continuous movement of traffic at the meeting of roadways, when the circle is represented as a point.
C3066	Gate	Miscellaneous Topographic Features	Y	N	N	A movable barrier across a road.
C3067	Toll Booth	Miscellaneous Topographic Features	Y	N	N	A structure or barrier where a fee is collected for using a road.
C3071	Tower	Miscellaneous Topographic Features	Y	N	N	A manmade structure, higher than its diameter, generally used for observation, storage, or electronic transmission.

C3074	Lighthouse Beacon	Miscellaneous Topographic Features	Y	N	N	A manmade structure, higher than its diameter, used to transmit light and possibly sound generally to aid in navigation.
C3075	Tank/Tank Farm	Miscellaneous Topographic Features	Y	N	Y	One or more manmade structures, used for liquid or gas storage or for distribution activities.
C3076	Windmill Farm	Miscellaneous Topographic Features	Y	N	Y	A facility where power is generated from the wind.
C3077	Solar Farm	Miscellaneous Topographic Features	Y	N	Y	A facility where power is generated from the sun.
C3078	Monument or Memorial	Miscellaneous Topographic Features	Y	N	N	A manmade structure to educate, commemorate, or memorialize an event, person, or feature.
C3079	Boundary Monument Point	Miscellaneous Topographic Features	Y	N	N	A locational marker or monument placed on or near a boundary line to preserve and identify the location of the boundary line on the ground.
C3080	Survey Control Point	Miscellaneous Topographic Features	Y	N	N	A point on the ground whose position (horizontal or vertical) is known and can be used as a base for additional survey work.
C3081	Locality Point	Miscellaneous Topographic Features	Y	N	N	A point that identifies the location and name of a locality (e.g., crossroad, community, populated place or locale) that usually does not have a formally established boundary.
C3085	Alaska Native Village Official Point	Miscellaneous Topographic Features	Y	N	N	A point that serves as the core of an Alaska Native village and is used in defining Alaska Native village statistical areas.
G1000	Nation	Tabulation Area	N	N	Y	This feature represents sovereign states recognized by the U.S. Department of State. For Census Bureau purposes, the area for which the decennial census is conducted, which is the United States, Puerto Rico, and the Island Areas (American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands). The feature may also include other sovereign states such as Canada and Mexico, but currently does not do so.

G1100	Census Region	Tabulation Area	N	N	Y	A grouping of states and the District of Columbia for the presentation of census data. The United States is subdivided into four Census Regions—Northeast, South, Midwest, and West.
G1200	Census Division	Tabulation Area	N	N	Y	A grouping of states and the District of Columbia that is a subdivision of the four Census Regions.
G2100	American Indian Area (AIA)	American Indian, Alaska Native, or Native Hawaiian Area	N	N	Y	A legally defined state- or federally recognized reservation and/or off-reservation trust land entity (excluding statistical American Indian and Alaska Native areas).
G2120	Hawaiian Home Land (HH)	American Indian, Alaska Native, or Native Hawaiian Area	N	N	Y	A legal area held in trust for the benefit of Native Hawaiians by the state of Hawaii, pursuant to the Hawaiian Homes Commission Act of 1920, as amended.
G2130	Alaska Native Village Statistical Area (ANVSA)	American Indian, Alaska Native, or Native Hawaiian Area	N	N	Y	A statistical area that represents the more densely settled portion of Alaska Native villages (ANVs), which constitute associations, bands, clans, communities, groups, tribes, or villages recognized pursuant to the Alaska Native Claims Settlement Act of 1971 (Public Law 92-203).
G2140	Oklahoma Tribal Statistical Area (OTSA)	American Indian, Alaska Native, or Native Hawaiian Area	N	N	Y	A statistical entity identified and delineated by the Census Bureau in consultation with federally recognized American Indian tribes that have no current reservation, but had a former reservation in Oklahoma.
G2150	State-Designated Tribal Statistical Area (SDTSA)	American Indian, Alaska Native, or Native Hawaiian Area	N	N	Y	A statistical geographic entity identified and delineated for the Census Bureau by a state-appointed liaison for a state-recognized American Indian tribe that does not currently have a reservation and/or lands in trust.
G2160	Tribal Designated Statistical Area (TDSA)	American Indian, Alaska Native, or Native Hawaiian Area	N	N	Y	A statistical geographic entity identified and delineated for the Census Bureau by a federally recognized American Indian tribe that does not currently have a reservation and/or off-reservation trust land.
G2170	American Indian Joint-Use Area (AIJUA)	American Indian, Alaska Native, or Native Hawaiian Area	N	N	Y	An area administered jointly and/or claimed by two or more American Indian tribes.

G2200	Alaska Native Regional Corporation	Tabulation Area	N	N	Y	Corporate entities with legal boundaries established to conduct both business and nonprofit affairs of Alaska Natives pursuant to the Alaska Native Claims Settlement Act of 1972 (Public Law 92-203). There are twelve geographically defined ANRCs and they are all within and cover most of the State of Alaska (the Annette Island Reserve—an American Indian reservation—is excluded from any ANRC).
G2300	Tribal Subdivision	Tabulation Area	N	N	Y	Administrative subdivisions of federally recognized American Indian reservations, off-reservation trust lands, or Oklahoma tribal statistical areas (OTSAs). These entities are internal units of self-government or administration that serve social, cultural, and/or economic purposes for the American Indians on the reservations, off-reservation trust lands, or OTSAs.
G2400	Tribal Census Tract	Tabulation Area	N	N	Y	A relatively small and permanent statistical subdivision of a federally recognized American Indian reservation and/or off-reservation trust land, delineated by American Indian tribal participants or the Census Bureau for the purpose of presenting demographic data.
G2410	Tribal Block Group	Tabulation Area	N	N	Y	A cluster of census blocks within a single tribal census tract delineated by American Indian tribal participants or the Census Bureau for the purpose of presenting demographic data.
G3100	Combined Statistical Area	Tabulation Area	N	N	Y	A grouping of adjacent metropolitan and/or micropolitan statistical areas that have a degree of economic and social integration, as measured by commuting.
G3110	Metropolitan and Micropolitan Statistical Area	Tabulation Area	N	N	Y	An area containing a substantial population nucleus together with adjacent communities having a high degree of economic and social integration with that core, as measured by commuting. Each area is defined using whole counties and equivalents.
G3120	Metropolitan Division	Tabulation Area	N	N	Y	A county or grouping of counties that is a subdivision of a Metropolitan Statistical Area containing an urbanized area with a population of 2.5 million or more.

G3200	Combined New England City and Town Area	Tabulation Area	N	N	Y	A grouping of adjacent New England city and town areas that have a degree of economic and social integration, as measured by commuting.
G3210	New England City and Town Metropolitan and Micropolitan Statistical Area	Tabulation Area	N	N	Y	An area containing a substantial population nucleus together with adjacent communities having a high degree of economic and social integration with that core, as measured by commuting. Each area is defined using Minor Civil Divisions (MCDs) in New England.
G3220	New England City and Town Division	Tabulation Area	N	N	Y	A grouping of cities and towns in New England that is a subdivision of a New England City and Town Area containing an urbanized area with a population of 2.5 million or more.
G3500	Urban Area	Tabulation Area	N	N	Y	Densely settled territory that contains at least 2,500 people. The subtypes of this feature are Urbanized Area (UA), which consists of 50,000 + people and Urban Cluster, which ranges between 2,500 and 49,999 people.
G4000	State or Equivalent Feature	Tabulation Area	N	N	Y	The primary governmental divisions of the United States. The District of Columbia is treated as a statistical equivalent of a state for census purposes, as are Puerto Rico, American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands.
G4020	County or Equivalent Feature	Tabulation Area	N	N	Y	The primary division of a state or state equivalent area. The primary divisions of 48 states are termed County, but other terms are used such as Borough in Alaska, Parish in Louisiana, and Municipio in Puerto Rico. This feature includes independent cities, which are incorporated places that are not part of any county.
G4040	County Subdivision	Tabulation Area	N	N	Y	The primary divisions of counties and equivalent features for the reporting of Census Bureau data. The subtypes of this feature are Minor Civil Division, Census County Division/Census Subarea, and Unorganized Territory. This feature includes independent places, which are incorporated places that are not part of any county subdivision.

G4050	Estate	Tabulation Area	N	N	Y	A subdivision of the three major islands in the U.S. Virgin Islands (USVI). The estates have legally defined boundaries and are much smaller in area than the Census Subdistricts (USVI county subdivisions), but do not necessarily nest within these districts.
G4060	Sub-Minor Civil Division	Tabulation Area	N	N	Y	Legally defined divisions (subbarrios) of minor civil divisions (barrios-pueblo and barrios) in Puerto Rico.
G4110	Incorporated Place	Tabulation Area	N	N	Y	A legal entity incorporated under state law to provide general-purpose governmental services to a concentration of population. Incorporated places are generally designated as a city, borough, municipality, town, village, or, in a few instances, have a different legal description.
G4120	Consolidated City	Tabulation Area	N	N	Y	An incorporated place that has merged governmentally with a county or minor civil division, but one or more of the incorporated places continues to function within the consolidation. It is a place that contains additional separately incorporated places.
G4210	Census Designated Place	Tabulation Area	N	N	Y	A statistical area that is defined for a named concentration of population and is the statistical counterpart of an incorporated place.
G4300	Economic Census Place	Tabulation Area	N	N	Y	The lowest level of geographic area for presentation of some types of Economic Census data. It includes incorporated places, consolidated cities, census designated places (CDPs), minor civil divisions (MCDs) in selected states, and balances of MCDs or counties. An incorporated place, CDP, MCD, or balance of MCD qualifies as an economic census place if it contains 2,500 or more residents, or 2,500 or more jobs, according to the most current data available.
G5020	Census Tract	Tabulation Area	N	N	Y	Relatively permanent statistical subdivisions of a County or equivalent feature delineated by local participants as part of the Census Bureau's Participant Statistical Areas Program.

G5030	Block Group	Tabulation Area	N	N	Y	A cluster of census blocks having the same first digit of their four-digit identifying numbers within a Census Tract. For example, block group 3 (BG 3) within a Census Tract includes all blocks numbered from 3000 to 3999.
G5040	Tabulation Block	Tabulation Area	N	N	Y	The lowest-order census defined statistical area. It is an area, such as a city block, bounded primarily by physical features but sometimes by invisible city or property boundaries. A tabulation block boundary does not cross the boundary of any other geographic area for which the Census Bureau tabulates data. The subtypes of this feature are Count Question Resolution (CQR), current, and tabulation census.
G5200	Congressional District	Tabulation Area	N	N	Y	The 435 areas from which people are elected to the U.S. House of Representatives. Additional equivalent features exist for state equivalents with nonvoting delegates or no representative. The subtypes of this feature are 111th, 113th, 114th, 115th, 116th, 117th, and 118th Congressional Districts, plus subsequent Congresses.
G5210	State Legislative District (Upper Chamber)	Tabulation Area	N	N	Y	Areas established by a state or equivalent government from which members are elected to the upper or unicameral chamber of a state governing body. The upper chamber is the senate in a bicameral legislature, and the unicameral case is a single house legislature (Nebraska). The subtypes of this feature are legislative session year, such as 2010, 2012, 2014, 2016, 2017, 2018, and so forth, with the year indicating the vintage of the district.
G5220	State Legislative District (Lower Chamber)	Tabulation Area	N	N	Y	Areas established by a state or equivalent government from which members are elected to the lower chamber of a state governing body. The lower chamber is the House of Representatives in a bicameral legislature. The subtypes of this feature are legislative session year with the year indicating the vintage of the district.

G5240	Voting District	Tabulation Area	N	N	Y	The generic name for the geographic features, such as precincts, wards, and election districts, established by state, local, and tribal governments for the purpose of conducting elections.
G5400	Elementary School District	Tabulation Area	N	N	Y	A geographic area within which officials provide public elementary grade-level educational services for residents.
G5410	Secondary School District	Tabulation Area	N	N	Y	A geographic area within which officials provide public secondary grade-level educational services for residents.
G5420	Unified School District	Tabulation Area	N	N	Y	A geographic area within which officials provide public educational services for all grade levels for residents.
G6120	Public Use Microdata Area (PUMA)	Tabulation Area	N	N	Y	A decennial census area with a population of at least 100,000 for which the Census Bureau provides selected extracts of household-level data from a 5% sample of long-form Census Bureau records that are screened to protect confidentiality. In Guam and the U.S. Virgin Islands, the extracts are from a 10% sample.
G6300	Traffic Analysis District	Tabulation Area	N	N	Y	An area delineated by Metropolitan Planning Organizations (MPOs) and state Departments of Transportation (DOTs) for tabulating journey-to-work and place-of-work data. A Traffic Analysis District (TAD) consists of one or more Traffic Analysis Zones (TAZs).
G6320	Traffic Analysis Zone	Tabulation Area	N	N	Y	An area delineated by state and/or local transportation officials and Metropolitan Planning Organizations (MPOs) for tabulating journey-to-work and place-of-work data.
G6330	Urban Growth Area	Tabulation Area	N	N	Y	An area defined under state authority to manage urbanization that the U.S. Census Bureau includes in its products in agreement with an individual state.
G6350	Zip Code Tabulation Area (Five-Digit)	Tabulation Area	N	N	Y	An approximate statistical-area representation of a U.S. Postal Service (USPS) 5-digit ZIP Code service area.
G6400	Planning Region	Tabulation Area	N	N	Y	A grouping of municipios defined by Puerto Rico officials for the purpose of presenting economic census statistical data.

H1100	Connector	Hydrographic Features	N	Y	N	A known, but nonspecific, hydrographic connection between two nonadjacent water features.
H2030	Lake/Pond	Hydrographic Features	N	N	Y	A standing body of water that is surrounded by land.
H2040	Reservoir	Hydrographic Features	N	N	Y	An artificially impounded body of water.
H2041	Treatment Pond	Hydrographic Features	N	N	Y	An artificial body of water built to treat fouled water.
H2051	Bay/Estuary/Gulf/Sound	Hydrographic Features	N	N	Y	A body of water partly surrounded by land. [includes arm, bight, cove, and inlet]
H2053	Ocean/Sea	Hydrographic Features	N	N	Y	The great body of salt water that covers much of the earth.
H2060	Gravel Pit/Quarry filled with water	Hydrographic Features	N	N	Y	A body of water in a place or area from which commercial minerals were removed from the Earth.
H2081	Glacier	Hydrographic Features	N	N	Y	A body of ice moving outward and down slope from an area of accumulation; an area of relatively permanent snow or ice on the top or side of a mountain or mountainous area. [includes ice field and ice patch]
H3010	Stream/River	Hydrographic Features	N	Y	Y	A natural flowing waterway. [includes anabranch, awawa, branch, brook, creek, distributary, fork, kill, pup, rio, and run]
H3013	Braided Stream	Hydrographic Features	N	Y	Y	A natural flowing waterway with an intricate network of interlacing channels.
H3020	Canal, Ditch, or Aqueduct	Hydrographic Features	N	Y	Y	An artificial waterway constructed to transport water, to irrigate or drain land, to connect two or more bodies of water, or to serve as a waterway for watercraft. [includes lateral]
K1121	Apartment Building or Complex	Potential Living Quarters	N	N	Y	A building complex that contains multiple living quarters generally for which rent is paid.
K1223	Trailer Court or Mobile Home Park	Potential Living Quarters	N	N	Y	An area in which parking space for house trailers is rented, usually providing utilities and services.
K1225	Crew-of-Vessel Location	Potential Living Quarters	Y	N	Y	A point or area in which the population of military or merchant marine vessels at sea are assigned, usually being at or near the home port pier.
K1226	Housing Facility/Dormitory for Workers	Potential Living Quarters	N	N	Y	A facility providing housing for a number of persons employed as semi-permanent or seasonal laborers.

K1227	Hotel, Motel, Resort, Spa, Hostel, YMCA, or YWCA	Potential Living Quarters	N	N	Y	A facility providing transient lodging or living quarters, generally for some payment.
K1228	Campground	Potential Living Quarters	N	N	Y	An area used for setting up mobile temporary living quarters (camp) or holding a camp meeting, sometimes providing utilities and other amenities.
K1229	Shelter or Mission	Potential Living Quarters	N	N	Y	A facility providing low-cost or free living quarters established by a welfare or educational organization for the needy people of a district.
K1231	Hospital/Hospice/Urgent Care Facility	Potential Living Quarters	Y	N	Y	A facility where the sick or injured may receive medical or surgical attention. [including infirmary]
K1233	Nursing Home, Retirement Home, or Home for the Aged	Potential Living Quarters	N	N	Y	A facility to house and provide care for the elderly.
K1235	Juvenile Institution	Potential Living Quarters	N	N	Y	A facility (correctional or non-correctional) where groups of juveniles reside; this includes training schools, detention centers, residential treatment centers and orphanages.
K1236	Local Jail or Detention Center	Potential Living Quarters	Y	N	Y	A facility that serves as a place for the confinement of adult persons in lawful detention, administered by a local (tribal, county, municipal, etc.) government.
K1237	Federal Penitentiary, State Prison, or Prison Farm	Potential Living Quarters	Y	N	Y	A facility that serves as a place for the confinement of adult persons in lawful detention, administered by the federal government or a state government.
K1238	Other Correctional Institution	Potential Living Quarters	Y	N	Y	A facility that serves as a place for the confinement of adult persons in lawful detention, not elsewhere classified or administered by a government of unknown jurisdiction.
K1239	Convent, Monastery, Rectory, Other Religious Group Quarters	Potential Living Quarters	Y	N	Y	An institution intended for residential use by those having a religious vocation.
K2100	Governmental	Workplaces	N	N	Y	A place where employees are employed in federal, state, local, or tribal government.
K2110	Military Installation	Governmental	Y	N	Y	An area owned and/or occupied by the Department of Defense for use by a branch of the armed forces (such as the Army, Navy, Air Force, Marines, or Coast Guard), or a state owned area for the use of the National Guard.

K2146	Community Center	Governmental	Y	N	Y	A meeting place used by members of a community for social, cultural, or recreational purposes.
K2165	Government Center	Governmental	Y	N	Y	A place used by members of government (either federal, state, local, or tribal) for administration and public business.
K2167	Convention Center	Governmental	Y	N	Y	An exhibition hall or conference center with enough open space to host public and private business and social events.
K2180	Park	Governmental	N	N	Y	A place or area set aside for recreation or preservation of a cultural or natural resource.
K2181	National Park Service Land	Park	Y	N	Y	Land under the jurisdiction of the National Park Service, including National Parks, most National Monuments, and certain other lands.
K2182	National Forest or Other Federal Land	Park	Y	N	Y	Land under the jurisdiction of the U.S. Forest Service or other federal agency, excluding National Park Service land.
K2183	Tribal Park, Forest, or Recreation Area	Park	Y	N	Y	A place or area set aside for recreation or preservation of a cultural or natural resource and under the administration of an American Indian tribe.
K2184	State Park, Forest, or Recreation Area	Park	Y	N	Y	A place or area set aside for recreation or preservation of a cultural or natural resource and under the administration of a state government.
K2185	Regional Park, Forest, or Recreation Area	Park	Y	N	Y	A place or area set aside for recreation or preservation of a cultural or natural resource and under the administration of a regional government.
K2186	County Park, Forest, or Recreation Area	Park	Y	N	Y	A place or area set aside for recreation or preservation of a cultural or natural resource and under the administration of a county government.
K2187	County Subdivision Park, Forest, or Recreation Area	Park	Y	N	Y	A place or area set aside for recreation or preservation of a cultural or natural resource and under the administration of a minor civil division (town/township) government.
K2188	Incorporated Place Park, Forest, or Recreation Area	Park	Y	N	Y	A place or area set aside for recreation or preservation of a cultural or natural resource and under the administration of a municipal government.
K2189	Private Park, Forest, or Recreation Area	Park	Y	N	Y	A privately owned place or area set aside for recreation or preservation of a cultural or natural resource.

K2190	Other Park, Forest, or Recreation Area (quasi-public, independent park commission, etc.)	Park	Y	N	Y	A place or area set aside for recreation or preservation of a cultural or natural resource and under the administration of some other type of government or agency such as an independent park authority or commission.
K2191	Post Office	Governmental	Y	N	N	An official facility of the U.S. Postal Service used for processing and distributing mail and other postal material.
K2193	Fire Department	Governmental	Y	N	N	A facility that houses equipment and personnel to fight fires and provide other assistance.
K2194	Police Station	Governmental	Y	N	N	A facility that is the headquarters for law enforcement officers.
K2195	Library	Governmental	Y	N	N	A facility in which literary, musical, artistic, or reference materials are kept for public use.
K2196	City/Town Hall	Governmental	Y	N	N	A facility that houses the chief administrative offices of a local municipal government.
K2300	Commercial Workplace	Workplaces	N	N	Y	A place of employment for wholesale, retail, or other trade.
K2361	Shopping Center or Major Retail Center	Commercial Workplace	N	N	Y	A group of retail establishments within a planned subdivision sharing a common parking area.
K2362	Industrial Building or Industrial Park	Commercial Workplace	N	N	Y	One or more manufacturing establishments within an area zoned for fabrication, construction, or other similar trades.
K2363	Office Building or Office Park	Commercial Workplace	N	N	Y	One or more structures containing employees performing business, clerical, or professional services.
K2364	Farm/Vineyard/Winery/Orchard	Commercial Workplace	N	N	Y	An agricultural establishment where crops are grown and/or animals are raised.
K2366	Other Employment Center	Commercial Workplace	N	N	Y	A place of employment not elsewhere classified or of unknown type.
K2400	Transportation Terminal	Workplaces	Y	N	Y	A facility where one or more modes of transportation can be accessed by people or for the shipment of goods; examples of such a facility include marine terminal, bus station, train station, airport and truck warehouse.
K2424	Marina	Transportation Terminal	N	N	Y	A place where privately owned, light-watercraft and/or houseboats are moored.
K2432	Pier/Dock	Transportation Terminal	N	Y	Y	A platform built out from the shore into the water and supported by piles. This platform may

						provide access to ships and boats, or it may be used for recreational purposes.
K2451	Airport or Airfield	Transportation Terminal	Y	Y	Y	A manmade facility maintained for the use of aircraft. [including airstrip, landing field, and landing strip]
K2452	Train Station, Trolley or Mass Transit Rail Station	Transportation Terminal	Y	N	Y	A place where travelers can board and exit rail transit lines, including associated ticketing, freight, and other commercial offices.
K2453	Bus Terminal	Transportation Terminal	Y	N	Y	A place where travelers can board and exit mass motor vehicle transit, including associated ticketing, freight, and other commercial offices.
K2454	Marine Terminal	Transportation Terminal	Y	N	Y	A place where travelers can board and exit water transit or where cargo is handled, including associated ticketing, freight, and other commercial offices.
K2455	Seaplane Anchorage	Transportation Terminal	Y	N	Y	A place where an airplane equipped with floats for landing on or taking off from a body of water can debark and load.
K2456	Airport—Intermodal Transportation Hub/Terminal	Transportation Terminal	Y	N	Y	A major air transportation facility where travelers can board and exit airplanes and connect with other (i.e. non-air) modes of transportation.
K2457	Airport—Statistical Representation	Transportation Terminal	N	N	Y	The area of an airport adjusted to include whole 2010 tabulation census blocks used for the delineation of urban areas.
K2458	Park and Ride Facility /Parking Lot	Transportation Terminal	Y	N	Y	A place where motorists can park their cars and transfer to other modes of transportation.
K2459	Runway/Taxiway	Transportation Terminal	Y	Y	Y	A fairly level and usually paved expanse used by airplanes for taking off and landing at an airport.
K2460	Helicopter Landing Pad	Transportation Terminal	Y	N	Y	A fairly level and usually paved expanse used by helicopters for taking off and landing.
K2540	University or College	Other Workplace	Y	N	Y	An institution for post-secondary study, teaching, and learning. [including seminary]
K2543	School or Academy	Other Workplace	Y	N	Y	An institution for preschool, elementary or secondary study, teaching, and learning.
K2545	Museum, Visitor Center, Cultural Center, or Tourist Attraction	Other Workplace	Y	N	Y	An attraction of historical, cultural, educational or other interest that provides information or displays artifacts.
K2561	Golf Course	Other Workplace	Y	N	Y	A public or private facility designed for playing golf.

K2564	Amusement Center	Other Workplace	N	N	Y	A facility that offers entertainment, performances or sporting events. Examples include arena, auditorium, theater, stadium, coliseum, race course, theme park, fairgrounds and shooting range.
K2582	Cemetery	Other Workplace	Y	N	Y	A place or area for burying the dead. [including burying ground and memorial garden]
K2586	Zoo	Other Workplace	Y	N	Y	A facility in which terrestrial and/or marine animals are confined within enclosures and displayed to the public for educational, preservation, and research purposes.
K3544	Place of Worship	Other Workplace	Y	N	Y	A sanctified place or structure where people gather for religious worship; examples include church, synagogue, temple, and mosque.
L4010	Pipeline	Miscellaneous Linear Features	N	Y	N	A long tubular conduit or series of pipes, often underground, with pumps and valves for flow control, used to transport fluid (e.g., crude oil, natural gas), especially over great distances.
L4020	Powerline	Miscellaneous Linear Features	N	Y	N	One or more wires, often on elevated towers, used for conducting high-voltage electric power.
L4031	Aerial Tramway/Ski Lift	Miscellaneous Linear Features	N	Y	N	A conveyance that transports passengers or freight in carriers suspended from cables and supported by a series of towers.
L4110	Fence Line	Miscellaneous Linear Features	N	Y	N	A man-made barrier enclosing or bordering a field, yard, etc., usually made of posts and wire or wood, used to prevent entrance, to confine, or to mark a boundary.
L4121	Ridge Line	Miscellaneous Linear Features	N	Y	N	The line of highest elevation along a ridge.
L4125	Cliff/Escarpment	Miscellaneous Linear Features	N	Y	N	A very steep or vertical slope. [including bluff, crag, head, headland, nose, palisades, precipice, promontory, rim, and rimrock]
L4130	Point-to-Point Line	Miscellaneous Linear Features	N	Y	N	A line defined as beginning at one location point and ending at another, where each of these points is usually in sight of the other and no structures are in proximity to the line. This includes straight-line, nonvisible, 180-degree extensions off the ends of a terminating linear feature.

L4140	Property/Parcel Line (Including PLSS)	Miscellaneous Linear Features	N	Y	N	A cadastal boundary line separating two distinct real property parcels or a Public Land Survey System or equivalent survey line.
L4150	Coastline	Miscellaneous Linear Features	N	Y	N	The line that separates either land or Inland water from Coastal, Territorial or Great Lakes water. Where land directly borders Coastal, Territorial or Great Lakes water, the shoreline represents the Coastline. Where Inland water (such as a river) flows into Coastal, Territorial or Great Lakes water, the closure line separating the Inland water from the other class of water represents the Coastline.
L4165	Ferry Crossing	Miscellaneous Linear Features	N	Y	N	A nonvisible feature defining the route used to carry or convey people or cargo back and forth over a waterbody in a boat.
P0001	Nonvisible Linear Legal/Statistical Boundary	Bounding Edges and Non-Feature Edges	N	Y	N	A legal/statistical boundary line that does not correspond to a shoreline or other visible feature on the ground.
P0002	Perennial Shoreline	Bounding Edges and Non-Feature Edges	N	Y	N	The more-or-less permanent boundary between land and water for a water feature that exists year-round.
P0003	Intermittent Shoreline	Bounding Edges and Non-Feature Edges	N	Y	N	The boundary between land and water (when water is present) for a water feature that does not exist year-round.
P0004	Other Non-Visible Edge	Bounding Edges and Non-Feature Edges	N	Y	N	An edge that does not represent a legal/statistical boundary, and does not correspond to a shoreline or other visible feature on the ground. Many such edges bound area landmarks, while many others separate water features from each other (e.g., where a bay meets the ocean).
R1011	Rail Feature	Rail Features	N	Y	N	A fixed rail line, generally visible from the surface, which carries any type of rail vehicle including railroad, off-street transit and mountain rail systems.
S1100	Primary Road	Road/Path Features	N	Y	N	Primary roads are limited-access highways that connect to other roads only at interchanges and not at at-grade intersections. This category includes Interstate highways, as well as all other highways with limited access (some of which are toll roads). Limited-access highways with only

						one lane in each direction, as well as those that are undivided, are also included under S1100.
S1200	Secondary Road	Road/Path Features	N	Y	N	Secondary roads are main arteries that are not limited access, usually in the U.S. highway, state highway, or county highway systems. These roads have one or more lanes of traffic in each direction, may or may not be divided, and usually have at-grade intersections with many other roads and driveways. They often have both a local name and a route number.
S1400	Local Neighborhood Road, Rural Road, City Street	Road/Path Features	N	Y	N	Generally a paved non-arterial street, road, or byway that usually has a single lane of traffic in each direction. Roads in this feature class may be privately or publicly maintained. Scenic park roads would be included in this feature class, as would (depending on the region of the country) some unpaved roads.
S1500	Vehicular Trail (4WD)	Road/Path Features	N	Y	N	An unpaved dirt trail where a four-wheel drive vehicle is required. These vehicular trails are found almost exclusively in very rural areas. Minor, unpaved roads usable by ordinary cars and trucks belong in the S1400 category.
S1630	Ramp	Road/Path Features	N	Y	N	A road that allows controlled access from adjacent roads onto a limited access highway, often in the form of a cloverleaf interchange.
S1640	Service Drive usually along a limited access highway	Road/Path Features	N	Y	N	A road, usually paralleling a limited access highway, that provides access to structures and/or service facilities along the highway. These roads can be named and may intersect with other roads.
S1710	Walkway/Pedestrian Trail	Road/Path Features	N	Y	N	A path that is used for walking, being either too narrow for or legally restricted from vehicular traffic.
S1720	Stairway	Road/Path Features	N	Y	N	A pedestrian passageway from one level to another by a series of steps.

S1730	Alley	Road/Path Features	N	Y	N	A service road that does not generally have associated addressed structures and is usually unnamed. It is located at the rear of buildings and properties and is used for deliveries.
S1740	Private Road for service vehicles (logging, oil fields, ranches, etc.)	Road/Path Features	N	Y	N	A road within private property that is privately maintained for service, extractive, or other purposes. These roads are often unnamed.
S1750	Internal U.S. Census Bureau use	Road/Path Features	N	Y	N	Internal U.S. Census Bureau use.
S1780	Parking Lot Road	Road/Path Features	N	Y	N	The main travel route for vehicles through a paved parking area. This may include unnamed roads through apartment/condominium/office complexes where pull-in parking spaces line the road.
S1820	Bike Path or Trail	Road/Path Features	N	Y	N	A path that is used for manual or small, motorized bicycles, being either too narrow for or legally restricted from vehicular traffic.
S1830	Bridle Path	Road/Path Features	N	Y	N	A path that is used for horses, being either too narrow for or legally restricted from vehicular traffic.