TIGER-Derived Geographic Layer Attributes

107th Congressional Districts

File Name Cong107.shp   **Feature Class:** Polygon

Source TIGER 2000 Redistricting   **Key TIGER Attribute** CDCU

Name	Type	Width	Precision	Source	Description
District	Numeric	3	0	TIGER 2000 Redistricting	the district number

American Indian Areas

File Name AI_Area.shp   **Feature Class:** Polygon

Source TIGER 2000 Redistricting   **Key TIGER Attribute** AIANHHCE

Name	Type	Width	Precision	Source	Description
AIANHHCE	Character	4	0	TIGER 2000 Redistricting	Census American Indian Area Code
Fipscode	Character	5	0	TIGER 2000 Redistricting	FIPS Pub 55-3 Code

Area Water Features

File Name h20_area.shp   **Feature Class:** Polygon

Source TIGER 2000 Redistricting   **Key TIGER Attribute** WATERFLAG = 1

Name	Type	Width	Precision	Source	Description
Cfcc	Character	3	0	TIGER 2000 Redistricting	the Census Feature Classification Code
Fipsstco	Character	5	0	Tgr2Shp	This is a concatenation of state and county fips codes
ID	Numeric	8	0	Tgr2Shp	Integer identifier unique within a county
Landname	Character	30	0	TIGER 2000 Redistricting	The landmark polygon name, if it exists
Landpoly	Numeric	10	0	TIGER 2000 Redistricting	the TIGER landmark polygon id

Block Groups

File Name   blk_grps.shp   **Feature Class:** Polygon

Source   TIGER 2000 Redistricting   **Key TIGER Attribute** COUNTY-TRACT-BLKGRP

Name	Type	Width	Precision	Source	Description
Area	Numeric	16	3	Created Internally	area of the polygon, in square miles
Blkgrp	Character	1	0	TIGER 2000 Redistricting	The block group code, which is also the first character of the block code
County	Character	3	0	TIGER 2000 Redistricting	County FIPS code
Draw	Numeric	1	0	Created Internally	A field needed by DistrictBuilder software
Key	Character	18	0	Created Internally	Each assignment layer has a key field which is a concatenation of the primary fields in a heirarchical manner down to the level of the layer. The tract layer, for example, would be in the form "state.county.tract"
Latitude	Numeric	15	10	Created Internally	the latitude of the centroid or closest internal point for a polygon, in decimal degrees
Longitude	Numeric	15	10	Created Internally	the longitude of the centroid or closest internal point for a polygon, in decimal degrees
Perimeter	Numeric	16	3	Created Internally	perimeter of the polygon, in miles
Tract	Character	6	0	TIGER 2000 Redistricting	the census tract code
Tract_Key	Character	13	0	Created Internally	concatenation of state, county, and tract values for purposes of establishing referential integrity between layers
Uid	Numeric	16	0	Created Internally	A unique unit identifier used by DistrictBuilder

Blocks

File Name   blocks.shp   **Feature Class:** Polygon

Source   TIGER 2000 Redistricting   **Key TIGER Attribute** COUNTY-TRACT-BLOCK

Name	Type	Width	Precision	Source	Description
Area	Numeric	16	3	Created Internally	area of the polygon, in square miles
BG_Key	Character	15	0	Created Internally	Concatenation of state, county, tract, and block group codes for use in establishing referential integrity with other layers
Blkgrp	Character	1	0	TIGER 2000 Redistricting	The block group code, which is also the first character of the block code
Block	Character	4	0	TIGER 2000 Redistricting	The census block code
Concat	Character	8	0	TIGER 2000 Redistricting	A concatenation of state and place fips codes
Congress	Numeric	3	0	TIGER 2000 Redistricting	US House district number - errors in TIGER corrected
County	Character	3	0	TIGER 2000 Redistricting	County FIPS code
Draw	Numeric	1	0	Created Internally	A field needed by DistrictBuilder software
House	Numeric	3	0	TIGER 2000 Redistricting	State House district number
Key	Character	18	0	Created Internally	Each assignment layer has a key field which is a concatenation of the primary fields in a heirarchical manner down to the level of the layer. The tract layer, for example, would be in the form "state.county.tract"
Latitude	Numeric	15	10	Created Internally	the latitude of the centroid or closest internal point for a polygon, in decimal degrees
Longitude	Numeric	15	10	Created Internally	the longitude of the centroid or closest internal point for a polygon, in decimal degrees
MCD	Character	5	0	TIGER 2000 Redistricting	County subdivision (township) FIPS code
MCD_Key	Character	12	0	Created Internally	Concatenation of state, county, and MCD codes for use in establishing referential integrity with other layers
Perimeter	Numeric	16	3	Created Internally	perimeter of the polygon, in miles
Senate	Numeric	3	0	TIGER 2000 Redistricting	State Senate district number
State	Character	2	0	TIGER 2000 Redistricting	State FIPS code
Tract	Character	6	0	TIGER 2000 Redistricting	the census tract code
Uid	Numeric	16	0	Created Internally	A unique unit identifier used by DistrictBuilder
Vtd	Character	6	0	Created Internally	Precinct (voting district) code
VTD_Key	Character	13	0	Created Internally	Concatenation of state, county, and vtd codes for use in establishing referential integrity with other layers

Counties

File Name counties.shp **Feature Class:** Polygon

Source TIGER 2000 Redistricting **Key TIGER Attribute** COUNTY

Name	Type	Width	Precision	Source	Description
Area	Numeric	16	3	Created Internally	area of the polygon, in square miles
County	Character	3	0	TIGER 2000 Redistricting	County FIPS code
Draw	Numeric	1	0	Created Internally	A field needed by DistrictBuilder software
Key	Character	18	0	Created Internally	Each assignment layer has a key field which is a concatenation of the primary fields in a heirarchical manner down to the level of the layer. The tract layer, for example, would be in the form "state.county.tract"
Latitude	Numeric	15	10	Created Internally	the latitude of the centroid or closest internal point for a polygon, in decimal degrees
Longitude	Numeric	15	10	Created Internally	the longitude of the centroid or closest internal point for a polygon, in decimal degrees
Name	Character	66	0	TIGER 2000 Redistricting	Name of unit of geography, such as a county or place
Perimeter	Numeric	16	3	Created Internally	perimeter of the polygon, in miles
Uid	Numeric	16	0	Created Internally	A unique unit identifier used by DistrictBuilder

Incorporated Areas

File Name places.shp **Feature Class:** Polygon

Source TIGER 2000 Redistricting **Key TIGER Attribute** PLACE

Name	Type	Width	Precision	Source	Description
Area	Numeric	16	3	Created Internally	area of the polygon, in square miles
Concat	Character	8	0	TIGER 2000 Redistricting	A concatenation of state and place fips codes
Draw	Numeric	1	0	Created Internally	A field needed by DistrictBuilder software
Key	Character	18	0	Created Internally	Each assignment layer has a key field which is a concatenation of the primary fields in a heirarchical manner down to the level of the layer. The tract layer, for example, would be in the form "state.county.tract"
Name	Character	66	0	TIGER 2000 Redistricting	Name of unit of geography, such as a county or place
Perimeter	Numeric	16	3	Created Internally	perimeter of the polygon, in miles
Uid	Numeric	16	0	Created Internally	A unique unit identifier used by DistrictBuilder

Line Water Features

File Name   h20_line.shp   **Feature Class:** Line

Source   TIGER 2000 Redistricting   **Key TIGER Attribute** CFCC "H*"

Name	Type	Width	Precision	Source	Description
Cfcc	Character	3	0	TIGER 2000 Redistricting	the Census Feature Classification Code
Cfcc1	Character	1	0	TIGER 2000 Redistricting	The first character of the Census Feature Classification Code
Cfcc2	Character	2	0	TIGER 2000 Redistricting	The first 2 characters of the CFCC
Fename	Character	30	0	TIGER 2000 Redistricting	Feature name, such as the "Main" in "Main St." or a river name
Fnode	Numeric	8	0	Tgr2Shp	County-based node from which the line segment begins
Length	Numeric	10	5	Tgr2Shp	Length of the segment, in miles
Source	Character	1	0	TIGER 2000 Redistricting	Linear Segment Source Code
TLID	Numeric	10	0	TIGER 2000 Redistricting	TIGER/Line Unique Identification Number
Tnode	Numeric	8	0	Tgr2Shp	County-based node where the line segment ends

NC House Districts

File Name   NCHouse.shp   **Feature Class:** Polygon

Source   TIGER 2000 Redistricting   **Key TIGER Attribute** SLDL

Name	Type	Width	Precision	Source	Description
District	Numeric	3	0	TIGER 2000 Redistricting	the district number

NC Senate Districts

File Name   NCSenate.shp   **Feature Class:** Polygon

Source   TIGER 2000 Redistricting   **Key TIGER Attribute** SLDU

Name	Type	Width	Precision	Source	Description
District	Numeric	3	0	TIGER 2000 Redistricting	the district number

Power Transmission Lines

File Name   powerlines.shp   **Feature Class:** Line

Source TIGER 2000 Redistricting   **Key TIGER Attribute** CFCC "C20"

Name	Type	Width	Precision	Source	Description
Cfcc	Character	3	0	TIGER 2000 Redistricting	the Census Feature Classification Code
Fnode	Numeric	8	0	Tgr2Shp	County-based node from which the line segment begins
Length	Numeric	10	5	Tgr2Shp	Length of the segment, in miles
Source	Character	1	0	TIGER 2000 Redistricting	Linear Segment Source Code
TLID	Numeric	10	0	TIGER 2000 Redistricting	TIGER/Line Unique Identification Number
Tnode	Numeric	8	0	Tgr2Shp	County-based node where the line segment ends

Railroads

File Name   railroads.shp   **Feature Class:** Line

Source TIGER 2000 Redistricting   **Key TIGER Attribute** CFCC "B*"

Name	Type	Width	Precision	Source	Description
Cfcc	Character	3	0	TIGER 2000 Redistricting	the Census Feature Classification Code
Cfcc1	Character	1	0	TIGER 2000 Redistricting	The first character of the Census Feature Classification Code
Cfcc2	Character	2	0	TIGER 2000 Redistricting	The first 2 characters of the CFCC
Fename	Character	30	0	TIGER 2000 Redistricting	Feature name, such as the "Main" in "Main St." or a river name
Fnode	Numeric	8	0	Tgr2Shp	County-based node from which the line segment begins
Length	Numeric	10	5	Tgr2Shp	Length of the segment, in miles
Source	Character	1	0	TIGER 2000 Redistricting	Linear Segment Source Code
TLID	Numeric	10	0	TIGER 2000 Redistricting	TIGER/Line Unique Identification Number
Tnode	Numeric	8	0	Tgr2Shp	County-based node where the line segment ends

Ridgelines

File Name ridgelines.shp   **Feature Class:** Line

Source TIGER 2000 Redistricting   **Key TIGER Attribute** CFCC "E21"

Name	Type	Width	Precision	Source	Description
Cfcc	Character	3	0	TIGER 2000 Redistricting	the Census Feature Classification Code
Fename	Character	30	0	TIGER 2000 Redistricting	Feature name, such as the "Main" in "Main St." or a river name
Fnode	Numeric	8	0	Tgr2Shp	County-based node from which the line segment begins
Length	Numeric	10	5	Tgr2Shp	Length of the segment, in miles
Source	Character	1	0	TIGER 2000 Redistricting	Linear Segment Source Code
TLID	Numeric	10	0	TIGER 2000 Redistricting	TIGER/Line Unique Identification Number
Tnode	Numeric	8	0	Tgr2Shp	County-based node where the line segment ends

Roads

File Name roads.shp   **Feature Class:** Line

Source TIGER 2000 Redistricting   **Key TIGER Attribute** CFCC "A*"

Name	Type	Width	Precision	Source	Description
Cfcc	Character	3	0	TIGER 2000 Redistricting	the Census Feature Classification Code
Cfcc1	Character	1	0	TIGER 2000 Redistricting	The first character of the Census Feature Classification Code
Cfcc2	Character	2	0	TIGER 2000 Redistricting	The first 2 characters of the CFCC
Fedirp	Character	2	0	TIGER 2000 Redistricting	Feature direction prefix, like "S" in "S. Main St."
Fedirs	Character	2	0	TIGER 2000 Redistricting	Feature direction suffix (the "W" in "Maple Ave W")
Fename	Character	30	0	TIGER 2000 Redistricting	Feature name, such as the "Main" in "Main St." or a river name
Fetype	Character	4	0	TIGER 2000 Redistricting	Feature type (the "St" in "Main St.")
Fnode	Numeric	8	0	Tgr2Shp	County-based node from which the line segment begins
Fraddl	Numeric	11	0	TIGER 2000 Redistricting	the from address left
Fraddr	Numeric	11	0	TIGER 2000 Redistricting	the from address right
Length	Numeric	10	5	Tgr2Shp	Length of the segment, in miles
Source	Character	1	0	TIGER 2000 Redistricting	Linear Segment Source Code
TLID	Numeric	10	0	TIGER 2000 Redistricting	TIGER/Line Unique Identification Number
Tnode	Numeric	8	0	Tgr2Shp	County-based node where the line segment ends
Toaddl	Numeric	11	0	TIGER 2000 Redistricting	the to address left
Toaddr	Numeric	11	0	TIGER 2000 Redistricting	the to address right
Zipl	Character	5	0	TIGER 2000 Redistricting	the Zip code on the left of the feature
Zipr	Character	5	0	TIGER 2000 Redistricting	the Zip code on the right of the feature

Townships

File Name mcds.shp   **Feature Class:** Polygon

Source TIGER 2000 Redistricting   **Key TIGER Attribute** COUNTY-COUSUB

Name	Type	Width	Precision	Source	Description
Area	Numeric	16	3	Created Internally	area of the polygon, in square miles
County	Character	3	0	TIGER 2000 Redistricting	County FIPS code
Key	Character	18	0	Created Internally	Each assignment layer has a key field which is a concatenation of the primary fields in a heirarchical manner down to the level of the layer. The tract layer, for example, would be in the form "state.county.tract"
MCD	Character	5	0	TIGER 2000 Redistricting	County subdivision (township) FIPS code
MCDName	Character	66	0	TIGER 2000 Redistricting	County subdivision (township) name
Perimeter	Numeric	16	3	Created Internally	perimeter of the polygon, in miles

Tracts

File Name tracts.shp   **Feature Class:** Polygon

Source TIGER 2000 Redistricting   **Key TIGER Attribute** COUNTY-TRACT

Name	Type	Width	Precision	Source	Description
Area	Numeric	16	3	Created Internally	area of the polygon, in square miles
County	Character	3	0	TIGER 2000 Redistricting	County FIPS code
Draw	Numeric	1	0	Created Internally	A field needed by DistrictBuilder software
Key	Character	18	0	Created Internally	Each assignment layer has a key field which is a concatenation of the primary fields in a heirarchical manner down to the level of the layer. The tract layer, for example, would be in the form "state.county.tract"
Latitude	Numeric	15	10	Created Internally	the latitude of the centroid or closest internal point for a polygon, in decimal degrees
Longitude	Numeric	15	10	Created Internally	the longitude of the centroid or closest internal point for a polygon, in decimal degrees
Perimeter	Numeric	16	3	Created Internally	perimeter of the polygon, in miles
Tract	Character	6	0	TIGER 2000 Redistricting	the census tract code
TractInterp	Character	7	0	Tgr2Shp	The tract code interpreted, or as it would be read - no zero fills and implied decimal added between four digit prefix and two digit suffix
Uid	Numeric	16	0	Created Internally	A unique unit identifier used by DistrictBuilder

Unified School Districts

File Name   Schl_Dist.shp   **Feature Class:**   Polygon

Source   TIGER 2000 Redistricting   **Key TIGER Attribute**   SDUNI

Name	Type	Width	Precision	Source	Description
SDUNI	Character	5	0	TIGER 2000 Redistricting	Unified school district code

Voter Precincts

File Name   vtds.shp   **Feature Class:**   Polygon

Source   TIGER 2000 Redistricting   **Key TIGER Attribute**   COUNTY-VTD

Name	Type	Width	Precision	Source	Description
Area	Numeric	16	3	Created Internally	area of the polygon, in square miles
County	Character	3	0	TIGER 2000 Redistricting	County FIPS code
CRU	Boolean	0	0	Created Internally	a value of true identifies a precinct as being a "combined reporting unit"
ID	Numeric	8	0	Tgr2Shp	Integer identifier unique within a county
Key	Character	18	0	Created Internally	Each assignment layer has a key field which is a concatenation of the primary fields in a heirarchical manner down to the level of the layer. The tract layer, for example, would be in the form "state.county.tract"
Name	Character	66	0	TIGER 2000 Redistricting	Name of unit of geography, such as a county or place
Pct_code	Character	6	0	TIGER 2000 Redistricting	Voter Precinct Code, as included in TIGER. A few were created internally to account for precinct splits that did not make it into TIGER
Pct_filled	Character	6	0	Created Internally	This is the vtd code as included in TIGER, but left zero-filled to 6 characters
Pct_key	Character	10	0	Created Internally	concatenation of county FIPS and zero-filled TIGER precinct codes
Perimeter	Numeric	16	3	Created Internally	perimeter of the polygon, in miles
Pseudo	Numeric	10	0	Created Internally	A few precincts were aproximated in TIGER due to drop of features that had been designated as precinct lines. A non-zero value gives a reference number to documentation materials
Uid	Numeric	16	0	Created Internally	A unique unit identifier used by DistrictBuilder
Vtd	Character	6	0	Created Internally	Precinct (voting district) code