



# How to Find an Address in Census Geocoder and TIGERweb

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# About the Geocoder

An address lookup tool that converts your address to an approximate coordinate and returns information about the address range in relation to other geographies

- **Input:**

- **Single address** or **batch** submit up to 1,000 addresses at a time.

- **Output:**

- **Location:** latitude and longitude, using the “Find Locations Using...” option.
- **Geographic entities:** for an address using the “Find Geographies Using...” option. Tool returns the state, county, census tract, and block for each address. Additional geographies are available.

# About TIGERweb

- TIGERweb
  - Provides a simple way to view our TIGER (Topologically Integrated Geographic Encoding and Referencing) data without Geographic Information System (GIS) software and without downloading data
  - Boundaries and Roads data

# Address Ranges

- Both tools find an address by comparing it to our Address Ranges.
- Each line segment has a range “From House Number” “To House Number”
  - Ex: 1-99 (May only have 3 houses on the block)
- The majority of the address ranges we have are for **residential areas** – there are limited address ranges available in commercial areas.



# Census Geocoder: Getting into the Nitty Gritty

- Formatting an address for batch processes
- What do the results mean?

# How to Format Your Addresses for Batch Processing

- Addresses should be formatted in a single line with comma delimiters. The address should consist of:
  - Unique ID, House Number and Street Name, City, State, ZIP Code
  - City and State, or ZIP Code may be left blank, but there must be the appropriate number of commas to represent the blank data, for example:
    - 1, 1600 Pennsylvania Ave NW, Washington, DC,
    - 2, 1600 Pennsylvania Ave NW, , , 20502
- The following are not valid:
  - 3, 1600 Pennsylvania Ave NW, Washington, DC
  - 4, 1600 Pennsylvania Ave NW, 20502
- The batch geocoder can process up to 1,000 addresses at a time. It may take several minutes to process this many addresses.

# Results

- An interpolated latitude/longitude coordinate is returned along with the address range the Census Bureau has on that stretch of road. That coordinate is then used to determine the geography that the address is within.
- The results can be:
  - Match/Exact
  - Match/Non-Exact
  - Tie
  - No Match
- If a Tie is encountered, there are multiple possible results for that address. The address can be input for single address geocoding to view the multiple results.

# Results for Find Locations Using

- Estimated latitude/longitude coordinate
- TIGER identifier of the street
- Full address range on the road segment





# Results for Find Geographies Using

- Latitude/Longitude
- State
- County
- Census Tract
- Block
- For more geographies in the return, add: “&layers=all” at the end of the URL



# Geocoder - Demo

The screenshot shows the geocoding.geo.census.gov website. The browser address bar displays the URL. The page features the United States Census Bureau logo and a navigation menu with categories: Topics (Population, Economy), Geography (Maps, Geographic Data), Library (Infographics, Publications), Data (Tools, Developers), About the Bureau (Research, Surveys), and Newsroom (News, Events, Blogs). A search bar is located in the top right. On the left, there are three expandable menu sections: 'FIND LOCATIONS USING...' with options for One Line, Address, and Address Batch; 'FIND GEOGRAPHIES USING...' with options for One Line, Address, Address Batch, and Geographic Coordinates; and 'ABOUT DATA...' with options for Benchmarks and Vintages. The main content area displays a 'Welcome to Geocoder' message, stating that the geocoder provides interactive and programmatic (REST) access to users interested in matching addresses to geographic locations and entities. It includes links for 'Services API PDF' and 'HTML'. At the bottom, there are navigation links for Home, Intro, and Contact Us, and a horizontal menu with categories: ABOUT US, FIND DATA, BUSINESS & INDUSTRY, PEOPLE & HOUSEHOLDS, and SPECIAL TOPICS.

# TIGERweb Demo

The screenshot displays the TIGERweb interface. At the top, there are navigation tabs for 'Layers', 'Legend', and 'Task Results'. The main header includes the 'United States Census Bureau' logo and the text 'TIGERweb Geography Division'. A toolbar on the right contains icons for home, search, and help. The map shows the United States with a grid overlay. A 'Select Vintage:' dropdown menu is set to 'Current'. The legend on the left lists various geographic layers, with 'Hydrography' and 'States and Counties' checked. A scale bar indicates a zoom level of 3, with a scale of 1:73,957,191 and a distance of 2000km (1000mi). The current extent is shown as [-155.9424, -5.0699] [-37.2900, 67.8835]. A 'Map Loaded.' message is displayed in the bottom right corner.

Layers Legend Task Results

United States Census Bureau TIGERweb Geography Division

Select Vintage:  
Current

- Labels
- Transportation (Roads and Railroads)
- PUMAs, UGAs, and ZCTAs
- Tribal Census Tracts and Block Groups
- Census Tracts and Blocks
- Military and Other Special Land Use Areas
- School Districts
- Places and County Subdivisions
- American Indian, Alaska Native, and Native Hawaiian Areas
- Legislative Areas
- Census Regions and Divisions
- Urban Areas
- Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas
- Hydrography
- States and Counties

Zoom: 3  
1:73,957,191 2000km 1000mi

Current Extent (degs):  
[-155.9424, -5.0699] [-37.2900, 67.8835]

Map Loaded.

# Questions?

- General geography questions: [geo.geography@census.gov](mailto:geo.geography@census.gov)
- Census Geocoder questions: [geo.geocoding.services@census.gov](mailto:geo.geocoding.services@census.gov)
- TIGERWeb questions: [geo.tigerweb@census.gov](mailto:geo.tigerweb@census.gov)



**The following slides depict the information similar to the live demo**

# Census.gov: Maps and Data

The screenshot shows the Census.gov website interface. At the top left is the United States Census Bureau logo. The top right contains navigation links for 'U.S. Department of Commerce', 'Blogs', 'Index A-Z', 'Glossary', and 'FAQ', along with a search bar. A main navigation bar includes 'Topics', 'Geography' (circled in red), 'Library', 'Data', 'Surveys/Programs', 'Newsroom', and 'About Us'. Below this, a grid of buttons includes 'Geography Main', 'About', 'Education', 'GSS Initiative', 'Interactive Maps', 'Maps & Data' (circled in red), 'Metropolitan & Micropolitan', 'Partnerships', 'Reference', and 'Research'. The main content area features a '2016 Census Test' section with a map of Harris County, Texas, and a text box explaining the test. Below this are three widgets: 'Population Clock' showing U.S. and World population, 'QUICKFACTS' with a 'Did You Know' fact about Cook County, Illinois, and 'U.S. Census Bureau Economic Indicators' showing trends for Construction Spending, Rental Vacancy Rate, and Homeownership Rate.

# Maps and Data: Geocoder

You are here: [Census.gov](#) > [Geography](#) > [Maps & Data](#)

## Geography

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### Maps & Data

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- [Census Geocoder](#)
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- [Block Assignment Files](#)
- [Name Lookup Tables](#)
- [Tallies](#)
- [LandView](#)

### Maps & Data

Find geographic data and products such as the TIGER/Line Shapefiles, KMLs, TIGERweb, cartographic boundary files, geographic relationship files, and reference and thematic maps.



#### Maps

##### [Census Data Mapper](#)

The Census Data Mapper is a web mapping application intended to provide users with a simple interface to view, save and print county-based demographic maps of the United States.

##### [Reference Maps](#)

Reference maps are designed to show the geographic locations of features and boundaries. These maps usually contain features, such as roads and rivers, and boundaries, such as county, place, census tracts, or many more. These maps do not contain demographic data and are used solely to show the location of and relationship between boundaries and features. For interactive reference maps see TIGERweb.

##### [Thematic Maps](#)

Thematic maps are designed to show demographic, economic, business, or socioeconomic data about or characteristics of an area. Thematic maps tell a story spatially. They show a theme, or special topic, for a geographic area. Thematic maps may use features from reference maps as their base and then display additional data to tell a story about that area.

#### Geographic Data

##### [TIGER Products](#)

Geospatial Files and Applications from our MAF/TIGER database. Tools for use in GIS software, Web Mapping Services (WMS) to use in your applications, and browsers to view geographic data.

##### [Census Geocoder](#)

The Census Geocoder allows users to look up the geography an address is located within for up to 1,000 addresses at a time.

##### [Partnership Shapefiles](#)

The Partnership Shapefiles are used in our partner programs to share data with and capture data from our partners.

##### [Relationship Files](#)

Relationship files help users compare different vintages of geography, such as Census 2000 blocks to 2010 Census blocks in text format.

# Geocoder Information Page



U.S. Department of Commerce | Blogs | Index A-Z | Glossary | FAQs

Search

Topics  
Population, Economy

Geography  
Maps, Products

Library  
Infographics, Publications

Data  
Tools, Developers

Surveys/Programs  
Respond, Survey Data

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News, Blogs

About Us  
Our Research

You are here: [Census.gov](#) > [Geography](#) > [Maps & Data](#) > [Census Geocoder](#)

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- LandView

## Census Geocoder

The [Census Geocoder](#) is an address look-up tool that converts your address to an approximate coordinate (latitude/longitude) and returns information about the address range that includes the address and the census geography the address is within. The geocoder is available as a web interface and as an API (Representational State Transfer - REST - web-based service).

The tool allows you to look-up a single address or batch submit up to 1,000 addresses at a time. In addition, you can find the location of an address, the latitude and longitude, using the "Find Locations Using..." option. You can also find the census geographic entities for an address using the "Find Geographies Using..." option. The "Find Geographies Using..." option returns the state, county, census tract, and block for each address. Additional geographies are available using the instructions under Documentation below.

When geocoding your address, you need to select a benchmark (time period) and select a vintage of geography. The benchmark is the time period when we created a snapshot of our data (generally done twice a year). For example, Public\_AR\_Census2010 is the snapshot we took of the database in 2010. Public\_AR\_Current is the most recent snapshot we took of our dataset. The vintage of geography is the census or survey that the data relates to. For example, Census2010\_Census2010 are the address ranges from the 2010 Census at the time of the 2010 Census. You can also obtain the 2010 Census address ranges as of our 2013 benchmark. The vintages you see available depends on the benchmark you selected.

+ Data in the Census Geocoder

+ Batch Geocoding Process

+ Single Address Look-up

+ Documentation

+ FAQs

+ Contact Information



# Geocoder Tool

U.S. Department of Commerce | Blogs | Index A-Z | Glossary | FAQs



## Topics

Population, Economy

## Geography

Maps, Geographic Data

## Library

Infographics, Publications

## Data

Tools, Developers

## About the Bureau

Research, Surveys

## Newsroom

News, Events, Blogs

### FIND LOCATIONS USING...

One Line

Address

Address Batch

### FIND GEOGRAPHIES USING...

One Line

Address

Address Batch

Geographic Coordinates

### ABOUT DATA...

Benchmarks

Vintages

Welcome to Geocoder

### Welcome to Geocoder

Census geocoder provides interactive & programmatic (REST) access to users interested in matching addresses to geographic locations and entities containing those addresses. Please see the Services API link below for more information.  
[Geocoding Services API PDF](#) | [HTML](#)

[Home](#) | [Intro](#) | [Contact Us](#)

[ABOUT US](#)

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# Geocoder Demo Backup – Return - Geographies

## Geographies Return for single address:

Input:  
Address: 1600 Pennsylvania Ave NW,  
Washington, DC, 20502  
Benchmark: Public\_AR\_Current (4)  
Vintage: Current\_Current (4)

Matched Address: 1600 PENNSYLVANIA  
AVE NW,  
WASHINGTON, DC, 20502  
Coordinates: X: -77.03535 Y: 38.898754  
Tiger Line Id: 76225813 Side: L  
Address Components:

From Address: 1600  
To Address: 1698  
PreQualifier:  
PreDirection:  
PreType:  
Street Name: PENNSYLVANIA  
SuffixType: AVE  
SuffixDirection: NW  
SuffixQualifier:  
City: WASHINGTON  
State: DC  
Zip: 20502

Geographies:  
Counties:  
OID: 27590331264532  
STATE: 11  
FUNCSTAT: F  
AREAWATER: 18633403  
NAME: District of Columbia  
LSADC: 00  
CENTLON: -077.0162745  
BASENAME: District of Columbia  
INTPTLAT: +38.9041031  
COUNTYCC: H6  
MTFCC: G4020  
COUNTY: 001  
GEOID: 11001  
CENTLAT: +38.9047579  
INTPTLON: -077.0172290  
AREALAND: 158364990  
COUNTYNS: 01702382  
OBJECTID: 632

Census Tracts:  
OID: 20790331304119  
STATE: 11  
FUNCSTAT: S  
NAME: Census Tract 62.02  
AREAWATER: 4970897  
LSADC: CT  
CENTLON: -077.0352173  
BASENAME: 62.02  
INTPTLAT: +38.8809933  
MTFCC: G5020  
COUNTY: 001  
GEOID: 11001006202  
CENTLAT: +38.8801546  
INTPTLON: -077.0363219  
AREALAND: 6539773  
OBJECTID: 63929  
TRACT: 006202

2010 Census Blocks:  
BLKGRP: 1  
OID: 210403964788146  
FUNCSTAT: S  
STATE: 11  
AREAWATER: 0  
NAME: Block 1031  
SUFFIX:  
LSADC: BK  
CENTLON: -077.0365336  
LWBLKTYP: L  
BASENAME: 1031  
BLOCK: 1031  
INTPTLAT: +38.8971157  
MTFCC: G5040  
COUNTY: 001  
GEOID: 110010062021031  
CENTLAT: +38.8971157  
INTPTLON: -077.0365336  
AREALAND: 91475  
OBJECTID: 11078234  
TRACT: 006202

States:  
OID: 27490331294090  
STATE: 11  
FUNCSTAT: A  
NAME: District of Columbia  
AREAWATER: 18633403  
LSADC: 00  
CENTLON: -077.0162745  
STUSAB: DC  
BASENAME: District of Columbia  
INTPTLAT: +38.9041031  
DIVISION: 5  
MTFCC: G4000  
STATENS: 01702382  
GEOID: 11  
CENTLAT: +38.9047579  
INTPTLON: -077.0172290  
REGION: 3  
AREALAND: 158364990  
OBJECTID: 50

# Geocoder Demo Backup – Return Locations

- Locations return for single address:
- Input:  
Street: 1600 Pennsylvania Ave NW City: Washington State: DC Zip: 20502  
Benchmark: Public\_AR\_Current (4)  
Matched Address: 1600 PENNSYLVANIA AVE NW, WASHINGTON, DC, 20502  
Coordinates: X: -77.03535 Y: 38.898754  
Tiger Line Id: 76225813 Side: L  
Address Components:

From Address: 1600

To Address: 1698

PreQualifier:

PreDirection:

PreType:

Street Name: PENNSYLVANIA

SuffixType: AVE

SuffixDirection: NW

SuffixQualifier:

City: WASHINGTON

State: DC

Zip: 20502

# Geocoder Demo Backup – Additional Geographies

## Additional geographies return

### 114th Congressional Districts:

OID: 211904692355590  
MTFCC: G5200  
FUNCSTAT: N  
STATE: 11  
AREAWATER: 18633403  
NAME: Delegate District (at Large)  
CDESSN: 114  
LSADC: C4  
CENTLON: -077.0162745  
GEOID: 1198  
CENTLAT: +38.9047579  
CD114: 98  
INTPTLON: -077.0172290  
AREALAND: 158364990  
BASENAME: Delegate District (at Large)  
INTPTLAT: +38.9041031  
OBJECTID: 254

### 2010 Census Urbanized Areas:

UA: 92242  
OID: 27040158105937  
MTFCC: G3500  
FUNCSTAT: S  
AREAWATER: 69381737  
NAME: Washington, DC--VA--MD Urbanized Area  
LSADC: 75  
CENTLON: -077.1895767  
GEOID: 92242  
CENTLAT: +38.8969112  
INTPTLON: -077.1897402  
AREALAND: 3423955122  
BASENAME: Washington, DC--VA--MD  
INTPTLAT: +38.8973945  
OBJECTID: 3036

### Combined Statistical Areas:

OID: 261904755925754  
FUNCSTAT: S  
NAME: Washington-Baltimore-Arlington, DC-MD-VA-WV-PA CSA  
AREAWATER: 5210162412  
LSADC: M0  
CENTLON: -077.1890968  
BASENAME: Washington-Baltimore-Arlington, DC-MD-VA-WV-PA  
INTPTLAT: +38.9943635  
MTFCC: G3100  
CSA: 548  
GEOID: 548  
CENTLAT: +38.9930109  
INTPTLON: -077.1890457  
AREALAND: 32708677617  
OBJECTID: 165

# Geocoder Demo Backup – Return Batch Geographies

- "3","411 Legislative Ave, Dover, DE, 19901","Match","Exact","411 LEGISLATIVE AVE, DOVER, DE, 19901",-  
75.52056,39.157505","68088430","R","10","001","041300","1038""2",  
,"1000 Bank Street, Richmond, VA, 23219","Match","Exact","1000 BANK ST, RICHMOND, VA, 23219",-  
77.43536,37.538456","201540589","L","51","760","030500","1011""1",  
,"100 State Circle, Annapolis, MD, 21401","Match","Exact","100 STATE CIR, ANNAPOLIS, MD, 21401",-  
76.49149,38.9787","636149611","R","24","003","706101","2033""5",  
24 Beacon Street, Boston, MA, 02136","Match","Exact","24 BEACON ST, BOSTON, MA, 02136",-  
71.11696,42.253136","85705384","L","25","025","140202","3005""4",  
"125 W State Street, Trenton, NJ, 08618","Match","Exact","125 W STATE ST, TRENTON, NJ, 08618",-  
74.76922,40.22079","60224877","L","34","021","001101","1022"

[Inbox \(4,267\) - avoconn...](#) x
 [National Archives and ...](#) x
 [Welcome to NHGIS | N...](#) x
 [Census Geocoder - U.S. ...](#) x

[www.census.gov/geo/maps-data/data/geocoder.html](#)

**- Batch Geocoding Process**

- + How to Format your Address List
- + Results
- Record Layouts for Output

**Finding Geographies Using Option**

Column	Column Name	Column Description
1	ID	ID from original address list
2	Address1	Address from original address list
3	Matching Result 1	Results indicating whether or not there was a match for the address (Match, no match)
4	Matching Result 2	Results indicating if the match is exact or not (Exact, non-exact)
5	Address2	Address the original address matches to
6	Latitude, Longitude	Interpolated latitude and longitude for the address
7	TIGER/Line ID	Unique ID for the edge the address falls on in the MAF/TIGER database
8	Side	Side of the street address is on (L for left and R for right)
9	State	State FIPS Code
10	County	County FIPS Code
11	Census Tract	Census Tract Code
12	Census Block	Census Block Code

**Finding Locations Using Option**

# Census.gov: Maps and Data

The screenshot shows the Census.gov website interface. At the top left is the United States Census Bureau logo. The top right contains navigation links for 'U.S. Department of Commerce', 'Blogs', 'Index A-Z', 'Glossary', and 'FAQ', along with a search bar. A main navigation bar includes 'Topics', 'Geography' (circled in red), 'Library', 'Data', 'Surveys/Programs', 'Newsroom', and 'About Us'. Below this, a grid of buttons includes 'Geography Main', 'About', 'Education', 'GSS Initiative', 'Interactive Maps', 'Maps & Data' (circled in red), 'Metropolitan & Micropolitan', 'Partnerships', 'Reference', and 'Research'. The main content area features a '2016 Census Test' section with a map of Harris County, Texas, and a text box explaining the test. Below this are three widgets: 'Population Clock' showing U.S. and World population, 'QUICKFACTS' with a 'Did You Know' fact about Cook County, Illinois, and 'U.S. Census Bureau Economic Indicators' showing data for Construction Spending, Rental Vacancy Rate, and Homeownership Rate.

# Maps and Data: TIGER Products

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## Geography

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### Maps & Data

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### Maps

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### Geographic Data

[TIGER Products](#)

Geospatial Files and Applications from our MAF/TIGER database. Tools for use in GIS software, Web Mapping Services (WMS) to use in your applications, and browsers to view geographic data.

#### [Census Geocoder](#)

The Census Geocoder allows users to look up the geography an address is located within for up to 1,000 addresses at a time.

#### [Partnership Shapefiles](#)

The Partnership Shapefiles are used in our partner programs to share data with and capture data from our partners.

#### [Relationship Files](#)

Relationship files help users compare different vintages of geography, such as Census 2000 blocks to 2010 Census blocks in text format.



# TIGER Products: TIGERweb

Which product should I use?

Product	Best For...	File Format	Type of Data	Level of Detail	Descriptive Attributes	Vintages Available
<u>TIGER/Line Shapefiles</u>	Most mapping projects--this is our <i>most comprehensive dataset</i> . Designed for use with GIS (geographic information systems).	Shapefiles (.shp) and database files (.dbf)	Boundaries, roads, address information, water features, and more	Full detail (not generalized)	Extensive	2006 - 2015, CD 113
<u>TIGER Geodatabases</u>	Useful for users needing national datasets or all major boundaries for by state. Designed for use in ArcGIS. Files are extremely large.	Geodatabase (.gdb)	Boundaries, roads, address information, water features, and more	Full detail (not generalized)	Limited	2013-2014
<u>TIGER/Line with Selected Demographic and Economic Data</u>	Data from selected attributes from the 2010 Census, 2006-2010 ACS 5-year estimates, 2007-2011 ACS 5-year estimates, 2008-2012 ACS 5-year estimates and County Business Patterns (CBP) for selected geographies. Designed for use with GIS.	Shapefiles (.shp) and Geodatabases	Boundaries, Population Counts, Housing Unit Counts, 2010 Census Demographic Profile 1 attributes, 2006-2010 ACS 5-year estimates data profiles, 2007-2011 ACS 5-year estimates data profiles, CBP data.	Full detail (not generalized)	Limited	2012 CBP, 2010, 2006-2010 ACS, 2007-2011 ACS, 2008-2012 ACS
<u>Cartographic Boundary Shapefiles</u>	Small scale (limited detail) mapping projects clipped to shoreline. Designed for thematic mapping using GIS.	Shapefiles (.shp)	Selected boundaries	Less detail (generalized)	Limited	2014, 2013, 2010, 2000, 1990
<u>KML - Cartographic Boundary Files</u>	Viewing data or creating maps using Google Earth, Google Maps, or other platforms that use KML.	KML (.kml)	Selected boundaries	Less detail (generalized)	Limited	2014, 2013
<u>TIGERweb</u>	Viewing spatial data online or streaming to your mapping application.	Interactive viewer, HTML data files, plus REST and WMS map services	Boundaries, roads, address information, water features, and more	Detailed	Extensive	2012, 2010, 2012 ACS and 2011 ACS

# TIGERweb Applications

U.S. Department of Commerce | Blogs | Index A-Z | Glossary | FAQs

United States Census Bureau

Search

Topics: Population, Economy | Geography: Maps, Products | Library: Infographics, Publications | Data: Tools, Developers | Surveys/Programs: Respond, Survey Data | Newsroom: News, Blogs | About Us: Our Research

You are here: [tigerweb.geo.census.gov](http://tigerweb.geo.census.gov) > TIGERweb Applications

## TIGERweb

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### Contact Us

Email us at:  
[geo.tigerweb@census.gov](mailto:geo.tigerweb@census.gov)

[Click here](#) to sign up for updates on TIGERweb and other Census Bureau Topics.

[TIGERweb Brochure](#)

**MAP SERVICES**

**APPLICATIONS**

**DATA**

Incorporated Places - Current/AU				
GEOID	STATE	PLACE	PLACENS	BASENAME
0100124	01	00124	02403054	Abbeville
0100460	01	00460	02403063	Adamsville
0100484	01	00484	02405123	Addison
0100676	01	00676	02405125	Akron
0100820	01	00820	02403069	Alabaster
0100988	01	00988	02403074	Albartville
0101132	01	01132	02403077	Alexander City
0101228	01	01228	02403080	Aliceville
0101396	01	01396	02405136	Allgood
0101660	01	01660	02405146	Alltown

### TIGERweb Overview

TIGERweb is a web-based system that allows users to visualize our TIGER (Topologically Integrated Geographic Encoding and Referencing database) data in several ways:

- [TIGERweb and TIGERweb Decennial Applications.](#)
- [TIGERweb WMS](#)
- [TIGERweb REST Services](#)

The applications allow users to select features and view their attributes, to search for features by name or geocode, and to identify features by clicking them from a map. The TIGERweb and TIGERweb Decennial applications provide a simple way to view our TIGER data without

# TIGERWeb or TIGERweb Decennial

United States Census Bureau

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## TIGERweb

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### TIGERweb Applications

#### TIGERweb

Contains:

- Current (BAS 2016)
- ACS 2015
- ACS 2014
- 2010 Census (adjusted boundaries)
- Current (BAS 2016) Physical Features

#### TIGERweb Decennial

Contains:

- 2010 Census
- Census 2000 (adjusted boundaries)
- 2010 Census Physical Features

#### Legend

#### TIGERweb User Guide

Note: These links will open new browser windows.

The applications need:

The screenshot shows the TIGERweb application interface. At the top, there is a search bar with the text "Street, City, State, Zip". Below the search bar is a navigation menu with "Layers", "Legend", and "Task Results" options. The main map area displays a geographic map of the Eastern United States, showing state boundaries and various geographic features. The map is labeled with state abbreviations: PA, NJ, DC, MD, DE, VA, WV. A sidebar on the left contains a "Select Vintage:" dropdown menu set to "Current". Below this, there is a list of layers with checkboxes: Labels, Transportation (Roads and Railroads), PUMAs, UGAs, and ZCTAs, Tribal Census Tracts and Block Groups, Census Tracts and Blocks, Military and Other Special Land Use Areas, School Districts, Places and County Subdivisions, American Indian, Alaska Native, and Native Hawaiian Areas, Legislative Areas, Census Regions and Divisions, Urban Areas, and Metropolitan and Micropolitan Statistical Areas. A "Landmass" button is visible in the bottom right corner of the map area.

### TIGERweb and TIGERweb Decennial Applications

The TIGERweb and TIGERweb Decennial web-based applications allow the users to visualize our TIGER(Topologically Integrated Geographic Encoding and Referencing database) data. The applications allow users to select features and view their attributes, to search for features by name or geocode, and to identify features by selecting them from a map. The TIGERweb and TIGERweb Decennial

# TIGERweb

The screenshot displays the TIGERweb interface. At the top, there is a navigation bar with icons for Layers, Legend, and Task Results. The main header includes the United States Census Bureau logo, the text "TIGERweb Geography Division", and a search box containing "Street, City, State, Zip". To the right of the search box are icons for social media and help. The central part of the interface is a map of the United States with a grid overlay. On the left side, there is a sidebar with a "Select Vintage:" dropdown menu set to "Current". Below this is a list of layers with checkboxes and expand/collapse icons. The layers are: Labels (checked), Transportation (Roads and Railroads), PUMAs, UGAs, and ZCTAs, Tribal Census Tracts and Block Groups, Census Tracts and Blocks, Military and Other Special Land Use Areas, School Districts, Places and County Subdivisions, American Indian, Alaska Native, and Native Hawaiian Areas, Legislative Areas, Census Regions and Divisions, Urban Areas, Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas, Hydrography (checked), and States and Counties (checked). A vertical toolbar on the left side of the map includes icons for home, close, and zoom in/out. A "Landmass" button is located in the top right corner of the map area.

# TIGERweb Demo Backup

The screenshot displays the TIGERweb application interface. At the top, the browser address bar shows the URL <https://tigerweb.geo.census.gov/tigerweb/>. The application header includes the United States Census Bureau logo, the title "TIGERweb", and "Geography Division".

On the left side, there are navigation tabs for "Layers", "Legend", and "Task Results". Below these, a "Select Vintage:" dropdown menu is set to "Current". A list of geographic layers is shown with checkboxes:

- Labels
- Transportation (Roads and Railroads)
- PUMAs, UGAs, and ZCTAs
- Tribal Census Tracts and Block Groups
- Census Tracts and Blocks
- Military and Other Special Land Use Areas
- School Districts
- Places and County Subdivisions
- American Indian, Alaska Native, and Native Hawaiian Areas
- Legislative Areas
- Census Regions and Divisions
- Urban Areas
- Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas
- Hydrography
- States and Counties

The main map area shows a map of the United States with a search box at the top containing the text "1600 PENNSYLVANIA AVE NW, WASHINGTON, DC, 20502". A "Landmass" button is visible on the right. The map includes a zoom control on the left and a scale bar at the bottom left showing "Zoom: 3" and "1:73,957,191" with markers for "2000km" and "1000mi".

At the bottom of the interface, the "Current Extent (degs):" is displayed as  $[-152.7783, -2.3512] [-40.4541, 66.8348]$ . To the right, a red status message reads "Geocoding Complete."

# TIGERweb Demo Backup

The screenshot displays the TIGERweb interface. On the left, a sidebar contains 'Query Results' and 'Geocoder Results'. The 'Geocoder Results' section shows the following information:

- Search Address**: 1600 Pennsylvania Ave NW, Washington, DC, 20502
- Matched Address**: 1600 PENNSYLVANIA AVE NW, WASHINGTON, DC, 20502
- Coordinates**: Longitude: 77.03535°W, Latitude: 38.898754°N
- Tiger Line ID**: 76225813

The main map area shows a zoomed-in view of the District of Columbia with the text 'DISTRICT OF COLUMBIA' and 'DISTRICT O COLUMBIA'. A scale bar at the bottom indicates a zoom of 18, with 40m and 200ft markers. The interface includes navigation tools like a home button, zoom in/out buttons, and a 'Landmass' button. The top navigation bar includes 'Layers', 'Legend', 'Task Results', and the 'United States Census Bureau' logo.

# TIGERweb Demo Backup

The screenshot displays the TIGERweb interface from the United States Census Bureau. The main map area shows the District of Columbia with various geographic features and labels. The interface includes a top navigation bar with 'Layers', 'Legend', and 'Task Results' tabs. A left sidebar contains a 'Select Vintage' dropdown set to 'Current' and a list of layers with checkboxes. The map shows a grid of census tracts and blocks, with labels such as 'BG 1', 'BG 2', 'CT 101', and 'CT 58'. A blue dot is placed on the map, and a scale bar indicates a zoom of 16, with 200m and 600ft markers. The bottom status bar shows the current extent in degrees and a 'Geocoding Complete' message.

United States Census Bureau  
TIGERweb  
Geography Division

Select Vintage: Current

- Labels
- Transportation (Roads and Railroads)
- PUMAs, UGAs, and ZCTAs
- Tribal Census Tracts and Block Groups
- Census Tracts and Blocks
- Military and Other Special Land Use Areas
- School Districts
- Places and County Subdivisions
- American Indian, Alaska Native, and Native Hawaiian Areas
- Legislative Areas
- Census Regions and Divisions
- Urban Areas
- Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas
- Hydrography
- States and Counties

Zoom: 16  
1:9,028  
200m  
600ft

Current Extent (degs): [-77.0391, 38.8953] [-77.0254, 38.9041]

Geocoding Complete.