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November 2007

Using the Census Web Site Handouts

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Census Web Site: http://www.census.gov



Maps Page



U.S. Census Bureau Maps and Cartographic Resources

- WHAT'S NEW Lists the most recent products or services.
- <u>MAP PRODUCTS</u> Links to publicly available printed maps and free, downloadable maps in Portable Document Format [PDF]. Ordering information for printed maps and PDF maps on CD-ROM and DVD is also provided.
- <u>BOUNDARY FILES</u> Provides access to generalized, digital files suitable for use with a Geographic Information System (G.I.S.) as a base for medium to small-scale thematic mapping.
- <u>ON-LINE MAPPING</u> Links to two mapping applications derived from Census Bureau base map data American FactFinder, State & County QuickFacts, and the TIGER Map Server.
- RELATED SITES Lists other resources on the Bureau's Web site.
- <u>CONTACT</u> Send us questions and/or comments. Answers to Frequently Asked Questions (FAQs).
- <u>SITE MAP</u> Site layout in text-only form.

Source: U.S. Census Bureau Geography Division Cartographic Products Management Branch Created: September 12, 2001

Census Bureau Links: Home • Search • Subjects A-Z • FAQs • Data Tools • Catalog • Census 2000 • Quality • Privacy Policy • Contact Us

U S C E N S U S B U R E A U Helping You Make Informed Decisions

Page Last Modified: November 29, 2006

Map Products Page



Census Bureau Map Products

Welcome to the Census Bureau Map Products page. Census Bureau maps are organized into two categories: Reference Maps and Thematic Maps. Select the description link located beneath each map title to access more information about each map. To view or download maps, select a vintage. Note: The maps listed on this Web page are designed to be viewed with ADOBE Reader versions 4 and 5. If you do not have ADOBE Reader, you can download it for free from ADOBE

- How to <u>Find the Maps you Need</u>
 How to <u>Print Large Format PDF Map Files</u> [PDF]
 Viewing Tips for PDF Map Files Contains plotter specification information
- Viewing the thumbnail images for the 1990 Census Tract PDF Map files.

REFERENCE MAPS (description)

Census Geography

- Congressional District Map Products 108th Congressional District Maps and Related Information 109th Congressional District Maps and Related Information
- American Indian Tribal Census Tract Outline Maps: Description 2000
- American Indian/Alaska Native/Hawaiian Home Land Block Maps: Description 2000
- Census Block Maps: (Also available on DVD) Description 2000 | 1990
- Census Tract Outline Maps: (Also available on DVD) and CD-ROM Description 2000 | 1990



What's New Page Urban Cluster Outline Maps

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Reference Map New England City and Town Areas

Thematic Map Connecticut Population Profile



Boundary Files Page



Cartographic Boundary Files

Download Boundary Files Descriptions and Metadata Technical Information Boundary Files Site News Welcome to the U.S. Census Bureau's Cartographic Boundary Files Web Site. The boundary files available here are selected <u>generalized extracts</u> from the Census Bureau's TIGER geographic database and are designed for use in a Geographic Information System (GIS) or similar mapping system. **These are not map images.** They have been developed for various internal Census Bureau projects and have been made available here to the general public on an **"as is"** basis.

Cartographic Boundary File Formats The cartographic boundary files on this site are available in the following formats:

> ARC/INFO EXPORT (.e00) format ArcView Shapefile (.shp) format ARC/INFO Ungenerate (ASCII) format

Select a link at the upper left of the page to continue...

TIGER Page



Topologically Integrated Geographic Encoding and Referencing system

MAF/TIGER Enhancements Program (MTEP)

- Partnerships and MTEP
- MAF/TIGER Accuracy Improvement Project
- MAF/TIGER Enhancements Program Objective Two: MAF/TIGER Redesign
- <u>Accurate Coordinate Datasets Collection</u>

TIGER/Line[®] Shapefiles and Relationship Files

• 2007 First Edition TIGER/Line® Shapefiles and Relationship Files -- Revised Record Layout released October 3, 2007.

TIGER/Line[®] Files

- The Future of TIGER/Line®
- 2006 Second Edition TIGER/Line[®] Files -- Released March 6, 2007.
- <u>2006 First Edition TIGER/Line[®] Files</u> -- No longer available on-line.
- <u>2005 Second Edition TIGER/Line[®] Files</u> -- No longer available on-line.
- 2005 First Edition TICED/Line [®] Eiles No longer available on lin

Basic TIGER/Line Topology



- \odot Node—A zero-dimensional object that incorporates topology and geometry. Each marks the intersection or end point of a complete chain.
- Shape Point—A zero-dimensional object that defines the curvature of a complete chain but is not required to describe the topology of the complete chain (unlike nodes at intersection or end points). ⊕
- \boxtimes Point Landmark—An entity point that identifies the location of a point landmark
- ⊕ Polygon Interior Points—A point associated with, and inside of, a polygon.
- Omplete Chain—A one-dimensional object having topological and geometric characteristics.

2000 Census Gazetteer Example for Places

Record Layout: The place file contains data for all Incorporated and Census Designated places in the 50 states, the District of Columbia and Puerto Rico as of the January 1, 2000. The file is plain ASCII text, one line per record.

- Columns 1-2: United States Postal Service State Abbreviation
- Columns 3-4: State Federal Information Processing Standard (FIPS) code
- Columns 5-9: Place FIPS Code
- Columns 10-73: Name
- Columns 74-82: Total Population (2000)
- Columns 83-91: Total Housing Units (2000)
- Columns 92-105: Land Area (square meters) Created for statistical purposes only.
- Columns 106-119: Water Area(square meters) Created for statistical purposes only.
- Columns 120-131: Land Area (square miles) Created for statistical purposes only.
- Columns 132-143: Water Area (square miles) Created for statistical purposes only.
- Columns 144-153: Latitude (decimal degrees) First character is blank or "-" denoting North or South latitude respectively
- Columns 154-164: Longitude (decimal degrees) First character is blank or "-" denoting East or West longitude respectively

Example Records for Connecticut (Column positions squeezed to fit on page)

CT0901150Ansonia city	18554	7937	15620869	413392	6.031251	0.159612	41.342690	-73.074467
CT0902690Bantam boroug	jh 802	376	2617953	0	1.010797	0.000000	41.723320	-73.240629
CT0904790Bethel CDP	9137	3744	10575207	0	4.083110	0.000000	41.373028	-73.416168

Using American Fact Finder to Determine the Census Geography of a Street Address Prepared for Connecticut Census Geographic Data Initiative Workshops Ellen K. Cromley, Institute for Community Research, ellen.cromley@icrweb.org November 7, 2007

1. Open a web browser and navigate to:

Census Bureau Home Page -	Microsoft Internet Exp	lorer	
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U.S. Census	Bureau	Subjects A	to Z FAQs Privacy Policy Help
	2	SEARCH: @ FAQs C Census.gov	Data Finders
			Population Clocks
Commuter Data	Census	Your Gateway to Census 2000 • 2010 Census • Census 2000 EEO Tabulations • Summary File 4 (SE 4) • Summary File 3 (SE 3)	U.S.
New on the Site	2000		302.086.699
Data Tools	People &	Estimates + American Community Survey + Projections + Housing + Income State Median Income	World 6,601,605,592
American FactFinder	Households	Poverty Health Insurance International Genealogy More	16:16 GHT (EST+5) Jun 14, 2007
Jobs@Census	Business &	Economic Census + Economic Indicators + Get Help with Your Form + NAICS + Survey of Business	Population Finder
Catalog	Industry	Owners - Government - E-Stats - Foreign Trade Export Codes - Local Employment Dynamics - More	city/ town, county, or zip
Publications	Coordination	Harry TRATE Assessment Harry	
Are You in a Survey?	Geography	Maps · Incelly · Concentery · More	or state
About the Bureau	Newsroom	Releases - Eacts For Features - Minoritr Links - Broadcast & Photo Services - EmbargonNews	GO Select a state
Regional Offices		Constant Constantion - more	Find An Area Profile with QuickFacts
Doing Business with Us	Special Topics	Hurricane Data and Emergency Preparedness · Census Calendar · Training · For Teachers & Students · Statistical Abstract · FedStats · USA gov	
Related Sites			Select a state to begin
Annual Capital		NEW - Information & Communication Technology Survey 2005	
Expenditures			Latest Economic Tedicators
July Survey stands			Quarterly Services Survey
			 Manufacturing and Trade Inventories and Sales
			Economic Indicators
			Select an indicator
			Select an indicator
USCENSUSBUREA	U	Accessibility Information Quality Data Protection & Priv	acy Policy FOIA U.S. Dept of Commerce
Helping You Make Informed Decisio	90.6		

http://www.census.gov

 In the panel on the left of the display, look for the box Labeled "Address Search..." and click the link in "Enter a <u>street address</u> to find Census 2000 data".



In the panel on the left of the display, clink on the American FactFinder link

to open American FactFinder. 3. In the Search window, make sure that the **geography** tab is clicked and the **address search** tab is clicked under Choose a geography selection method.

> Then select a year and program from the pull-down menu, enter a street address, city and state, or a street address and ZIP code and click Go.

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4. A window will open showing Geographies containing the address you entered.

> This window shows us that 369 Fairfield Road in Mansfield is located in Census Tract 8812.

> Note that census tract numbers are only unique within counties.

Click the Census Tract line to select the tract geography and then click Map It to see a map of the census tract area as shown below.

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Select a year an	d program
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Select a year ar Census 2000 Enter a street ac Street Address J669 Fairfield Ro City Mansfield Geographies con Select a geograp State Connectcut _ County Subdivi _ Census Tract C _ Block Bloc _ Block Bloc _ Voing District/F	d program dress, city and state, or a street address and ZIP code. Click 'Go' Quick tips ad State ZIP Code Connecticut O6269 Go ntaining 369 Fairfield Rd , Storrs Mansfield , Connecticut, 06269: hy and click 'OK' ounty ion: Mansfield town ensus Tract 8312 Block Group 1 k 1017 Mansfield 1 Voting District





This technique can be used to geocode addresses to various Census geographies.