



Geographic Products



United States
Census
2000



Census 2000 Data Products

Major Changes

- Wider Product Availability than 1990
- Internet Access-*American Fact Finder*
 - Data and geographic products

Geographic Products:

Tools to Support User Needs

- **Redistricting**
- **Maps to Use with Statistical Reports**
- **Digital Products for Special Needs**

Geographic Products

TIGER/Line[®] Files

- TIGER/Line is an abstract of selected geographic and cartographic information from the TIGER data base
- ASCII text format, not in the form of map images
- Need to have GIS or other mapping software
- User has to translate or convert the files into a format used by their specific software
- County based



TIGER/Line RT 1

```
10199 175253200 H Blanton Rd A41 4233 6023 11 99330 1053530210219252891424
0206 0207 102 208 -118940072+46491264-118921999+46502753

10199 175253201 H Statamey Rd A41 2001 2011 2000 201001019933099330 1053530210219252892528
0206 0206 102 102 -118950991+46487493-118950948+46490491

10199 175239838 B Blanton Rd A41 3373 4231 11 99330 1053530210219252891424
0206 0207 102 208 -118950991+46487493-118940072+46491264

10199 175239840 B Blanton Rd A41 1335 3371 11 99330 1053530210219252891424
0206 0207 102 208 -118976990+46479305-118950991+46487493
0207 0207 210 207 -118929685+46466949-118909603+46479104

10199 175255125 I Overton Rd A41 2 150 1 14900009930199301 1053530210219252892528
0206 0206 32983298-119170377+46279829-119166874+46279818

10199 175239858 B F83 2053530210219252892528
0206 0206 102 196 -119000458+46462771-118990909+46471688

10199 175254834 H Kalahari Dr A41 4900 4998 4901 499900009930199301 1053530210219252892528
53545535450206 0206 329A329A-119153808+46269772-119156991+46268047

10199 175239860 B Blanton Rd A41 1053530210219252891424
0206 0207 196 207 -119000589+46461971-118987068+46472118
```

- Record Type 1 - Complete Chain Basic Data Record
 - single record for each unique linear feature segment
 - end nodes for each segment
 - address ranges and ZIP Codes
 - current geographic entity codes

Geographic Products

TIGER/Line[®] Files

- 1999 TIGER/Line - **Available Now ONLINE**
- Redistricting Census 2000 TIGER/Line File - **early 2001**
 - First View of 2000 Block Boundaries
 - Record Layout on Web Now
- Census 2000 TIGER/Line File - **2nd quarter 2001**
 - ZCTAs
 - Address range enhancements
 - Feature updates



TIGER/Line[®] Files

Changes for '99 and '00

- **Field Names**
 - To be Consistent with Census 2000 Data Products
 - **2000 Tentative Fields in 1999**
 - Field entries may change for 2000
 - Intended for program participants **only**
 - **Address Ranges and ZIP Codes[®]**
 - Eliminating ranges with **single** addresses
 - May have multiple +4 codes for one range
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TIGER/Line[®] Files

Changes for 2000

- **New Census Feature Class Code (CFCC)**
 - Some streets normally classified as “A” have “P”
 - These are PROVISIONAL features added for Census
 - Not yet verified - Future verification will result in change to “A” class
- **Diacritical Marks**
 - Will use ISO 8859-1 (Latin-1) for diacriticals
- **Boundary Vintage for TIGER/line 2000**
 - “Current” governmental unit boundaries are 1/1/00

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1998 to 2000 TIGER/Line Improvements From:

- **Latest Legal Boundaries**
 - Yearly Boundary and Annexation Survey
 - **Census Address Listing Operation Updates and LUCA Local Review**
 - **Matching USPS Files (incl. ZIP+4)**
 - **TIGER Update Operations**
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Geographic Products: Maps

- **Purpose**
 - Accompany Statistical Data
 - Locate Census Geography
 - Display Statistical results
- **Characteristics**
 - Wide Use of Color
 - Available in Electronic formats
 - Available as paper copies

Geographic Products: Map Image Files

- **Media: DVD (Digital Versatile Disc) CD-ROM**
- **Formats: Adobe PDF and HP-GL/2**

Geographic Products:

Maps

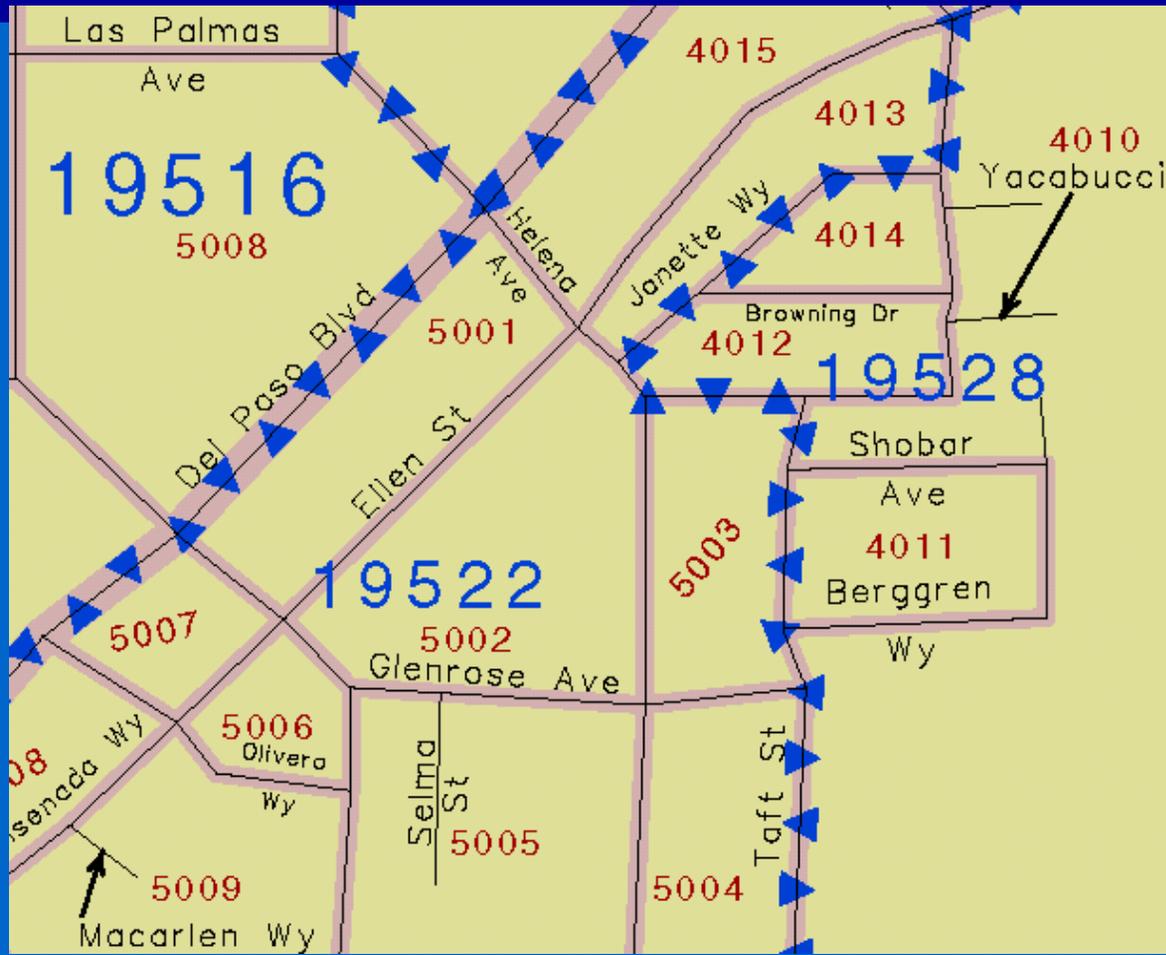
- **Hard-copy (paper):**
 - **Print on demand paper**
 - **Made from PDF or HP-GL\2**
 - See Census TIGER Web site Dress Rehearsal Products page for HP-GL plotter specifications
 - **By Census Bureau**
 - **By Census partners**
 - **By commercial sources**
 - **Selected Printed Reports**

Geographic Products: Maps

PDF File Capabilities

- **Thumbnail views of Maps**
- **Zoom and Pan**
- **Searchable Text (Census Tract, Place Name & Block Number.)**
- **Print Selected Areas on Map**

Enlargement of Block Map



Geographic Products: Maps

For Redistricting:

- **County-based in Color**
 - Shows block numbers
 - Shows VTDs (voting districts)
- **Voting district outline maps**
 - With State Legislative Districts
- **Census tract outline maps**

Geographic Products: Maps

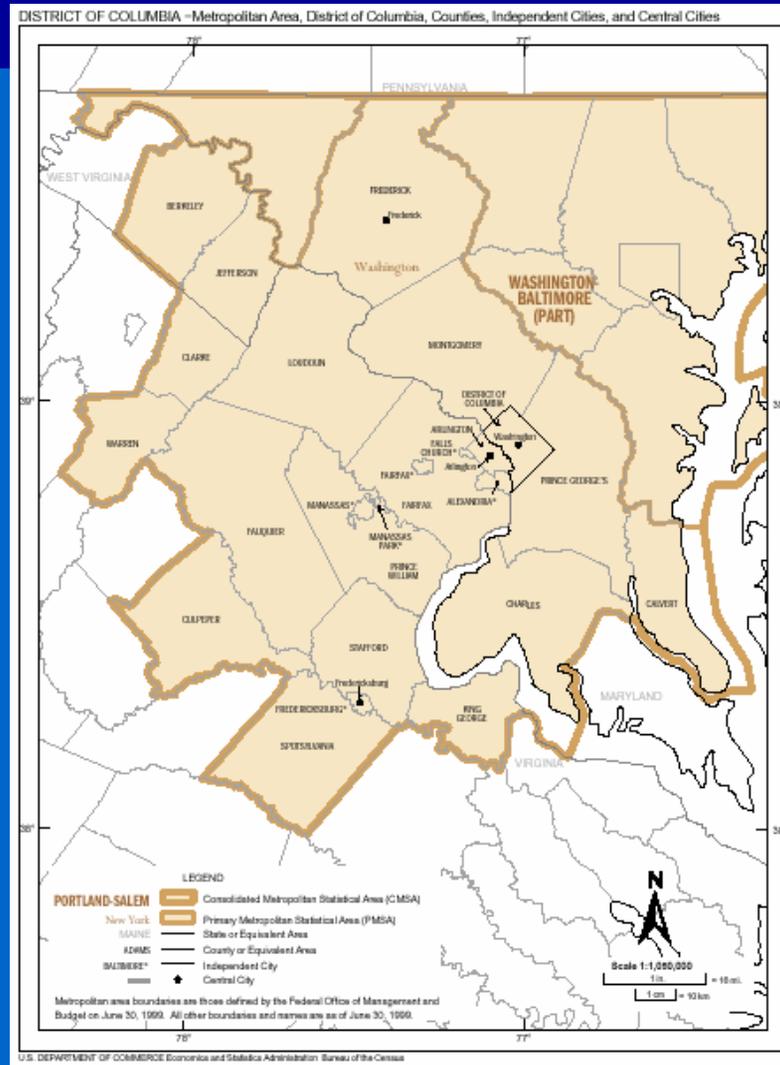
Other Large Format Reference Maps

- **Block Level Maps**
 - packaged by governmental entities, i.e counties, American Indian Reservations, incorporated places, minor civil divisions
- **Census Tract Outline Map**
Same as version for redistricting

Geographic Products: Small Format Maps

- **State/County Subdivision Map**
- **State/County Outline Map**
- **State/County Metropolitan Area Outline Map**
- **Urbanized Area Outline Map**
- **Congressional District Atlas**
- **Congressional District Wall Map**

Example of State/County Metropolitan Area Map



Geographic Products: Maps

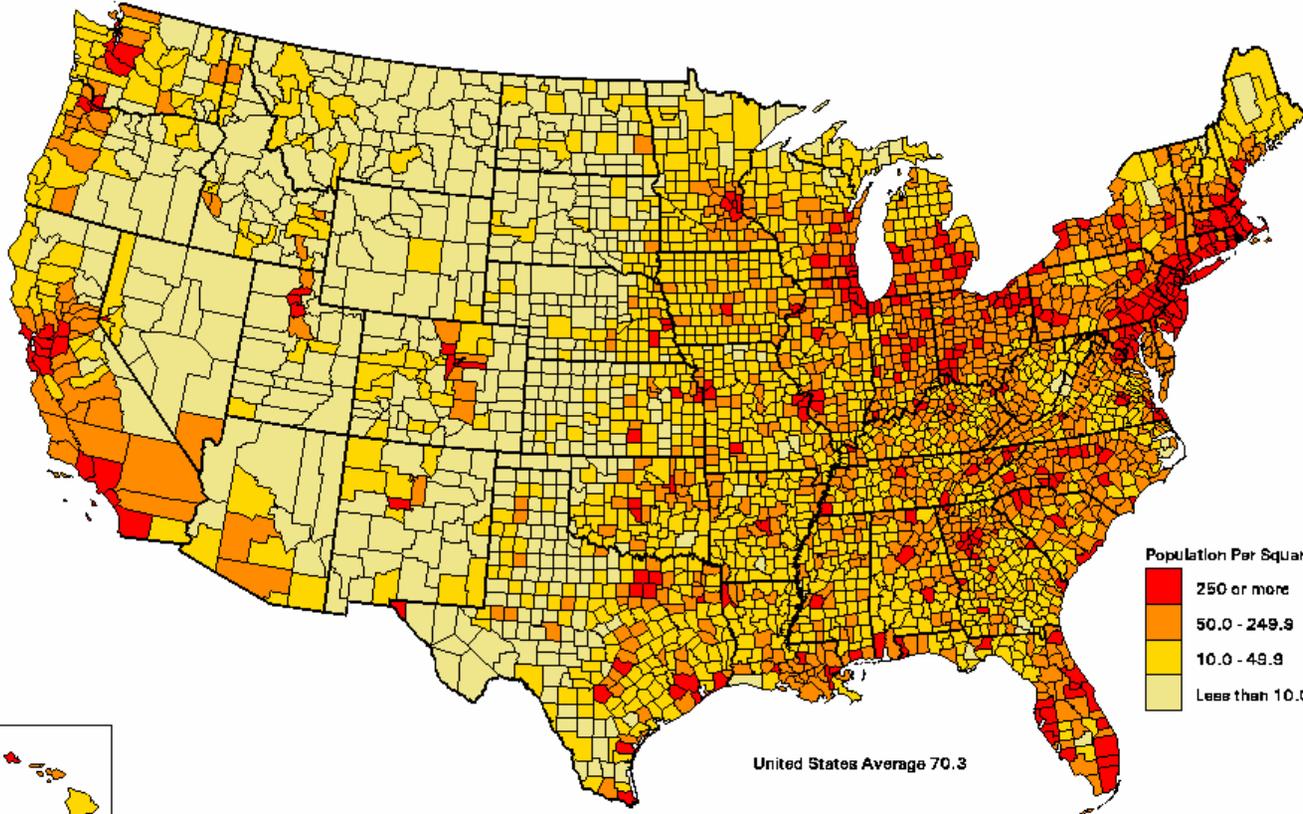
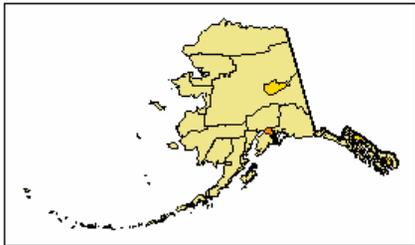
Statistical or Thematic Maps

- Display geographic distribution of selected data
- Traditional and new topics
 - “Night Time” Map, Population density, etc.
 - PDF as well as some published paper copies

1990 POPULATION DISTRIBUTION IN THE UNITED STATES



Population Density by Counties: 1990



Population Per Square Mile

- 250 or more
- 50.0 - 249.9
- 10.0 - 49.9
- Less than 10.0

United States Average 70.3



Product Availability (All maps released on a flow basis)

- **PL94-171 Map suite**
 - paper plots - March 2001
 - HP-GL/2 - April 2001
 - PDF - May 2001
- **Governmental Unit Block Maps**
 - Paper plots - May 2001
 - HP-GL/2 - June 2001
 - PDF - July 2001
- **Other Reference Maps**
 - Beginning September 2001

Geographic Products:

Relationship Files

- **Relationships (1:1, 1:n, n:1)**
 - Summary listing of changes between 1990 and 2000 by tract/block
 - Not Equivalency Files (use TIGER/Line)
- **Census Tracts: 1990 - 2000**
 - Similar to 1990 product

Geographic Products:

Relationship Files

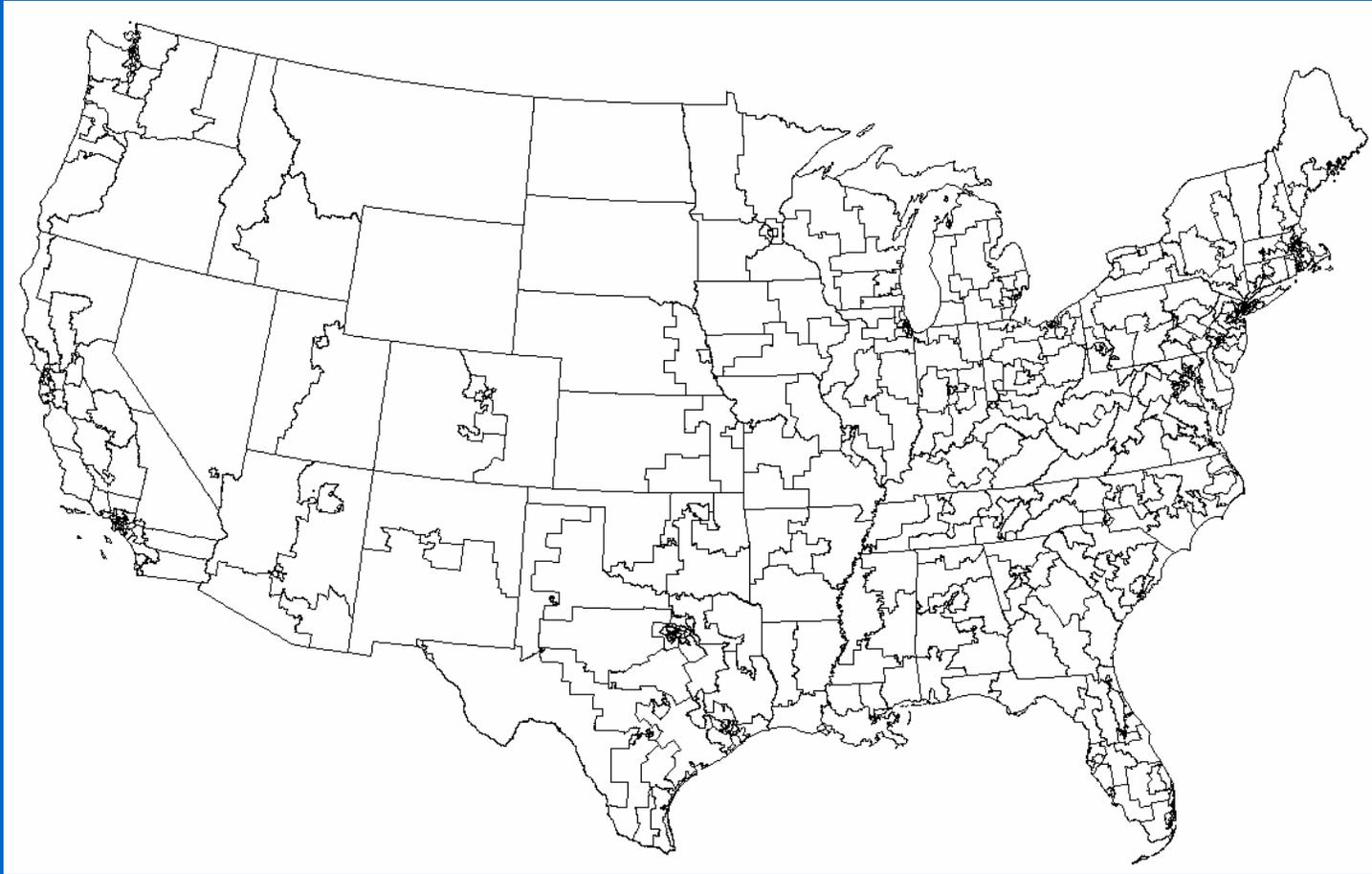
- **Census Blocks 1990 - 2000:**
 - 1990 Tabulation to 2000 Collection
 - 1990 Tabulation to 2000 Tabulation
 - 2000 Collection to 2000 Tabulation

Geographic Products: *Boundary Files*

- Generalized from TIGER data
- For use by customer's mapping software for most levels of reporting geography
- 1990 Boundary Files available NOW from Cartographic Boundary Files link on TIGER Internet page

Boundary File Example

106th Congressional Districts





Questions

• About Geographic Products?
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