



2020 Census Local Update of Census Addresses Operation (LUCA)

Atlanta Regional Office

Managing Census Operations in:
AL, FL, GA, LA, MS, NC, SC

Promotion

United States[™]
Census
Bureau

U.S. Department of Commerce
Economics and Statistics Administration
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[census.gov](https://www.census.gov)

United States[™]
Census
2020

Agenda

- 2020 Census Overview
- What is LUCA?
- LUCA Confidentiality and Security
- Statewide LUCA Participation in 2010
- Other Census Geography Programs (GSS and BAS)
- LUCA Participation Media Options (GUPS, Digital, Paper)
- Preparing For The 120 Day Review Period

Why allocate your limited resources to Census programs?

- **Political Power:**
 - Census is constitutionally mandated for re-apportionment of Congress.
 - Census results are used for Redistricting at national, state, and local levels.
- **Informed Planning:**
 - Federal, tribal, state and local use governments use Census data in their community planning and regional development.
 - Businesses and non-profits use Census statistics in their organizational decisions (e.g., where to locate, size of market, etc.)
- **Money/Economic Impact:**
 - \$400 Billion/year is distributed using Census numbers (\$4 Trillion over the decade).

2020 Census Design

The 2020 Census: A New Design for the 21st Century

Motivate People to Respond

Conduct a nation-wide communications and partnership campaign

- Maximize outreach using traditional and new media
- Target ads to specific audiences
- Work with trusted sources to inspire participation.



TELEPHONE AND PAPER SELF-RESPONSE

NONRESPONSE FOLLOWUP



INTERNET SELF-RESPONSE

Count the Population

Collect data from all households, including group and unique living arrangements

- Make it easy for people to respond anytime, anywhere
- Encourage people to use the new online response option
- Use the most cost-effective strategy to contact and count nonrespondents
- Knock on doors only when necessary
- Streamline in-field census-taking

Establish Where to Count

Identify all addresses where people could live

IN-FIELD

IN-OFFICE



- Conduct a 100% review and update of the nation's address list
- Minimize field work with in-office updating
- Use multiple data sources to identify areas with address changes
- Get local government input



Count Everyone Once In the Right Place

Release Census Results

Process and Provide Census Data

- Deliver apportionment counts to the President by December 31, 2020
- Release counts for redistricting by April 1, 2021
- Make it easier for the public to get data



Address List Maintenance 2010 - 2020

On-going Maintenance and Update

Address Canvassing

LUCA

US Postal Service's
Delivery Sequence File
(DSF)

Updates from tribal,
state, and local
government address
lists and commercial
address lists

Continuous
identification of
stability and change

Nationwide In-Office
Address Canvassing
In-Field Address
Canvassing
Annual In-Field data
collection, checks, and
tests

Opportunity to review
and update the Census
Bureau's address list
for the 2020 Census

2010 CENSUS

2020 CENSUS

What is the Local Update of Census Addresses Operation (LUCA)?

- Authorized by the [Census Address List Improvement Act of 1994 \(Public Law 103-430\)](#).
- 2020 Decennial Census voluntary geographic partnership operation.
- The one and only opportunity for tribal, state, and local governments to review and update the Census Bureau's Address List for residential addresses and group quarters.

Why LUCA Is A Critical Component For An Accurate 2020 Census

- Before we count people, we need an accurate list of the living quarters where we need to count them.
- LUCA improves the Census Bureau's Address List.
- Local Governments are almost always the best source of address data (GIS, E911, Property Tax Assessors, and/or Utility Services, etc...).
- The accuracy and completeness of the address list is critical to the success of the Census.
- An accurate Address List leads to an accurate Population Count.

The 2020 Census Local Update of Census Addresses (LUCA) Operation

What is LUCA?

LUCA is the only opportunity offered to tribal, state, and local governments to review and comment on the U.S. Census Bureau's residential address list for their jurisdiction prior to the 2020 Census. The Census Bureau relies on a complete and accurate address list to reach every living quarters and associated population for inclusion in the census.



Why participate in LUCA?

- To help ensure an accurate decennial census count in your community.
- To help the federal government distribute more than \$400 billion in funds annually for infrastructure, programs, and services.
- To help your community plan for future needs.

Who can participate in LUCA?

Active, functioning, legal governments can participate in LUCA. These include:

- Federally recognized tribes with a reservation and/or off-reservation trust lands.
- States.
- Counties.
- Cities (incorporated places).
- Townships (minor civil divisions).

If you are unable to participate in LUCA, you may designate an alternate reviewer for your government, such as your county, state data center, or regional planning agency.

United States
Census
Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Schedule

- January 2017: Advance notification of LUCA mailed to the highest elected official (HEO) or Tribal Chairperson (TC) of all eligible governments and other LUCA contacts.
- March 2017: LUCA promotional workshops begin.
- July 2017: Invitation letter and registration forms mailed to the HEO or TC of all eligible governments.
- October 2017: Training workshops begin. Self-training aids and Webinars will be available online at the LUCA Web site.
- February 2018: Participation materials mailed to registered participants. Participants have 120 calendar days from the receipt of materials to complete their review.
- August 2019: Feedback materials offered to participants with the results of Address Canvassing.
- April 1, 2020: Census Day.

Connect With Us

What's New for LUCA 2020

- **Includes** ungeocoded address records for state and county participants.
- **Includes** residential structure coordinates, if available.
- **Allows** participants to submit residential structure coordinates, if available.
- **Allows** participants to submit non-city style addresses with corresponding map spots.
- **Requires** residential multi-unit structure identifiers (Apt 1, Unit A2, Lot 17, #3001, etc.)

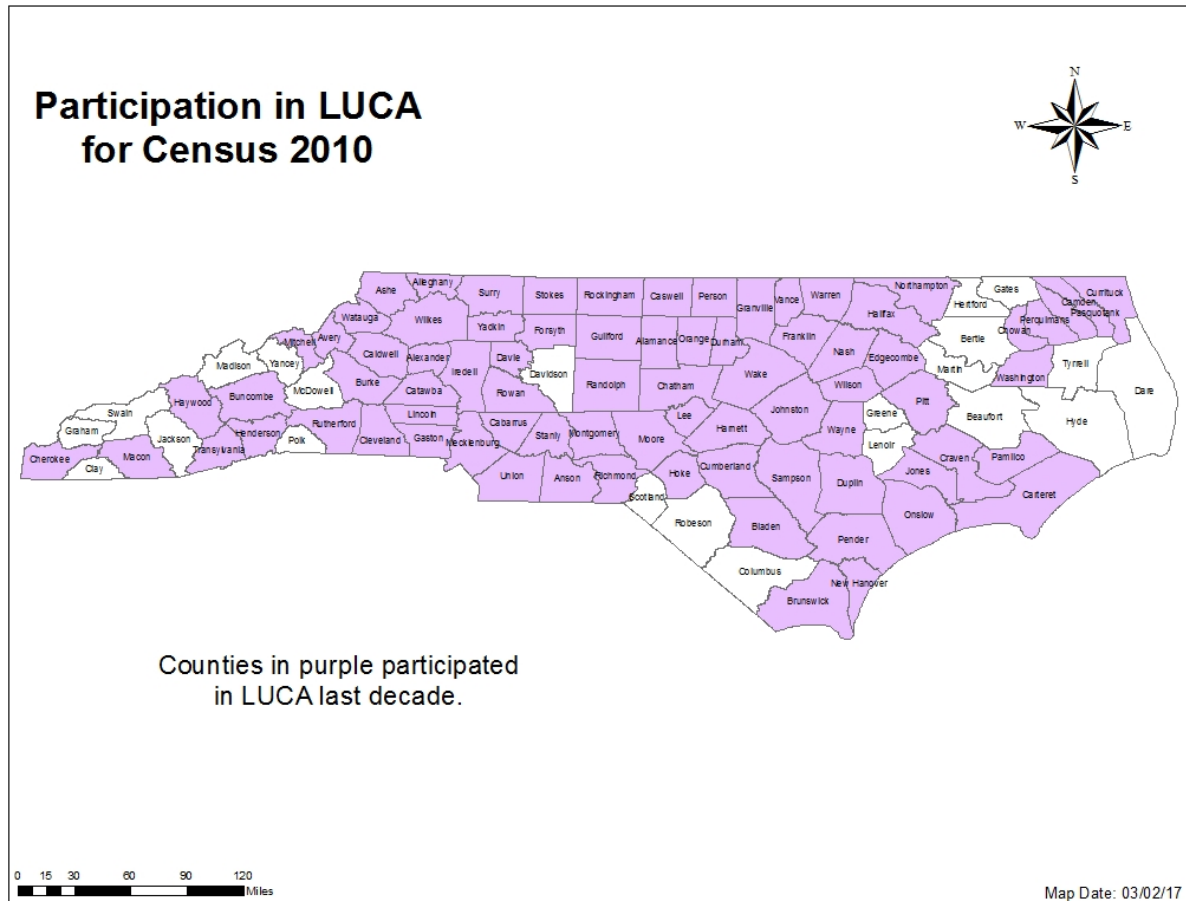
Confidentiality and Security

- The information provided to/from LUCA is covered under Title 13 of the United States Code which:
 - Requires the Census Bureau maintain the confidentiality of all information it collects.
 - Requires the Census Bureau to ensure confidential treatment of census-related information, **including individual addresses and map structure points.**
 - Requires that all LUCA liaisons, LUCA reviewers, and anyone with access to Title 13 materials abide by the Confidentiality and Security Guidelines.
 - Requires **certification of return or destruction of Title 13 data after LUCA ends.**

Counties in NC = 100

in LUCA2010 = 78

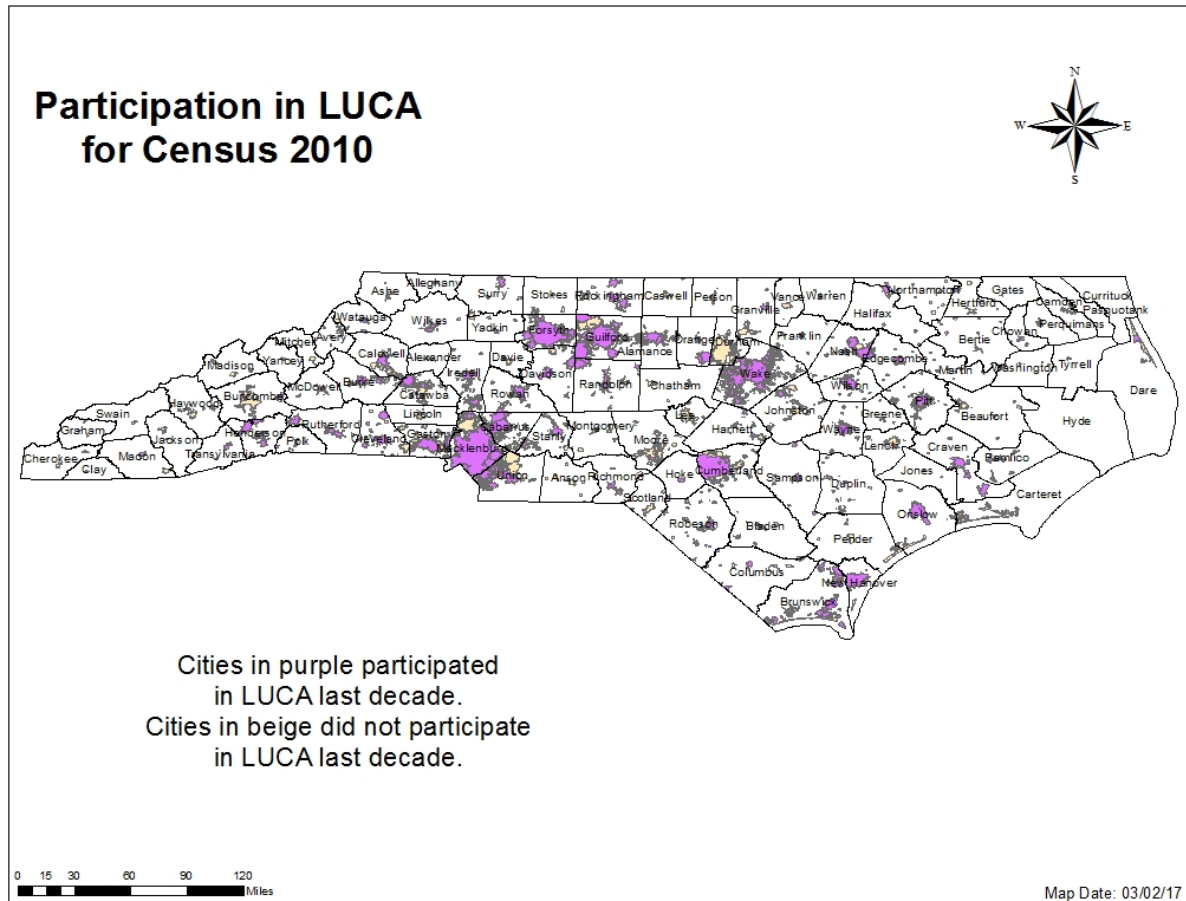
**78% of NC counties
participated in LUCA
for 2010.**



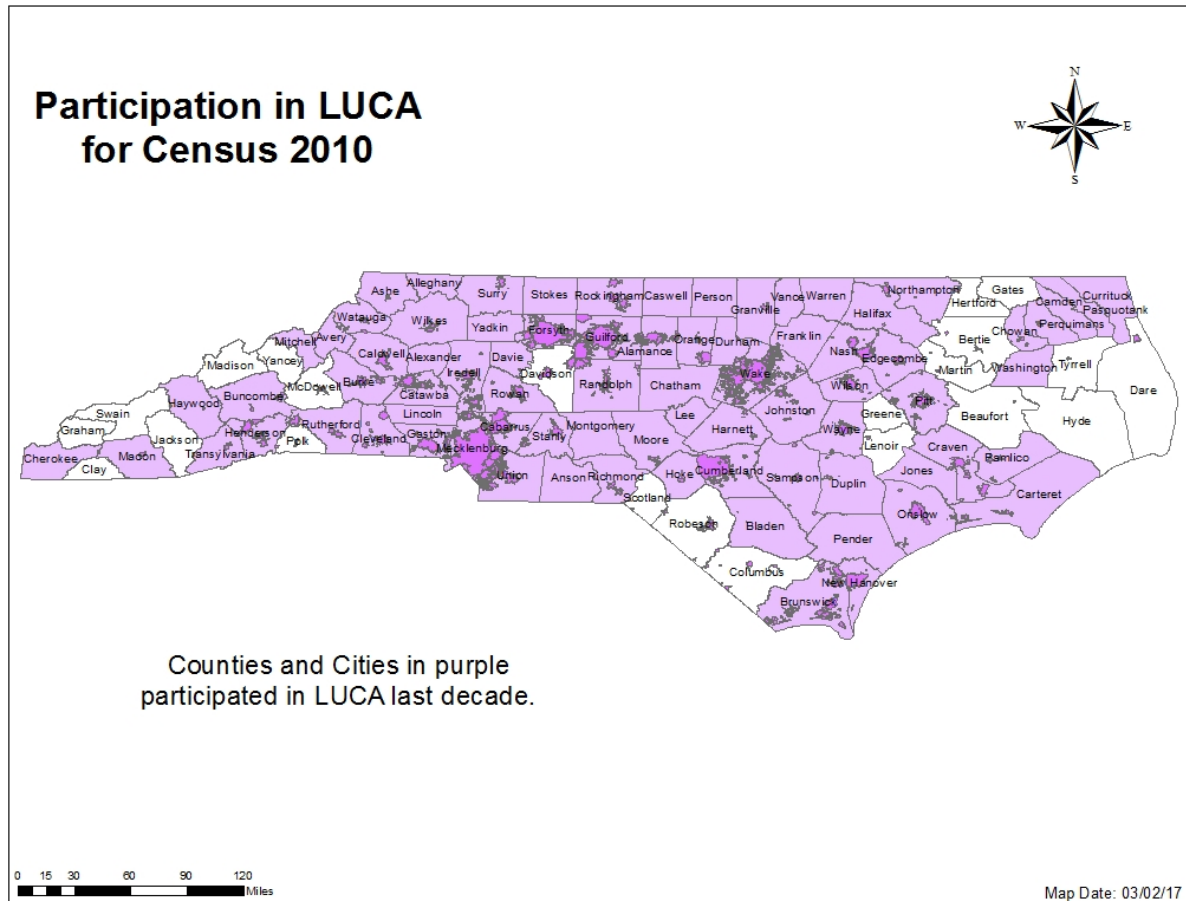
**Cities in NC = 548
(does not include
CDPs)**

in LUCA2010 = 232

**42% of NC cities
participated in LUCA
for 2010.**



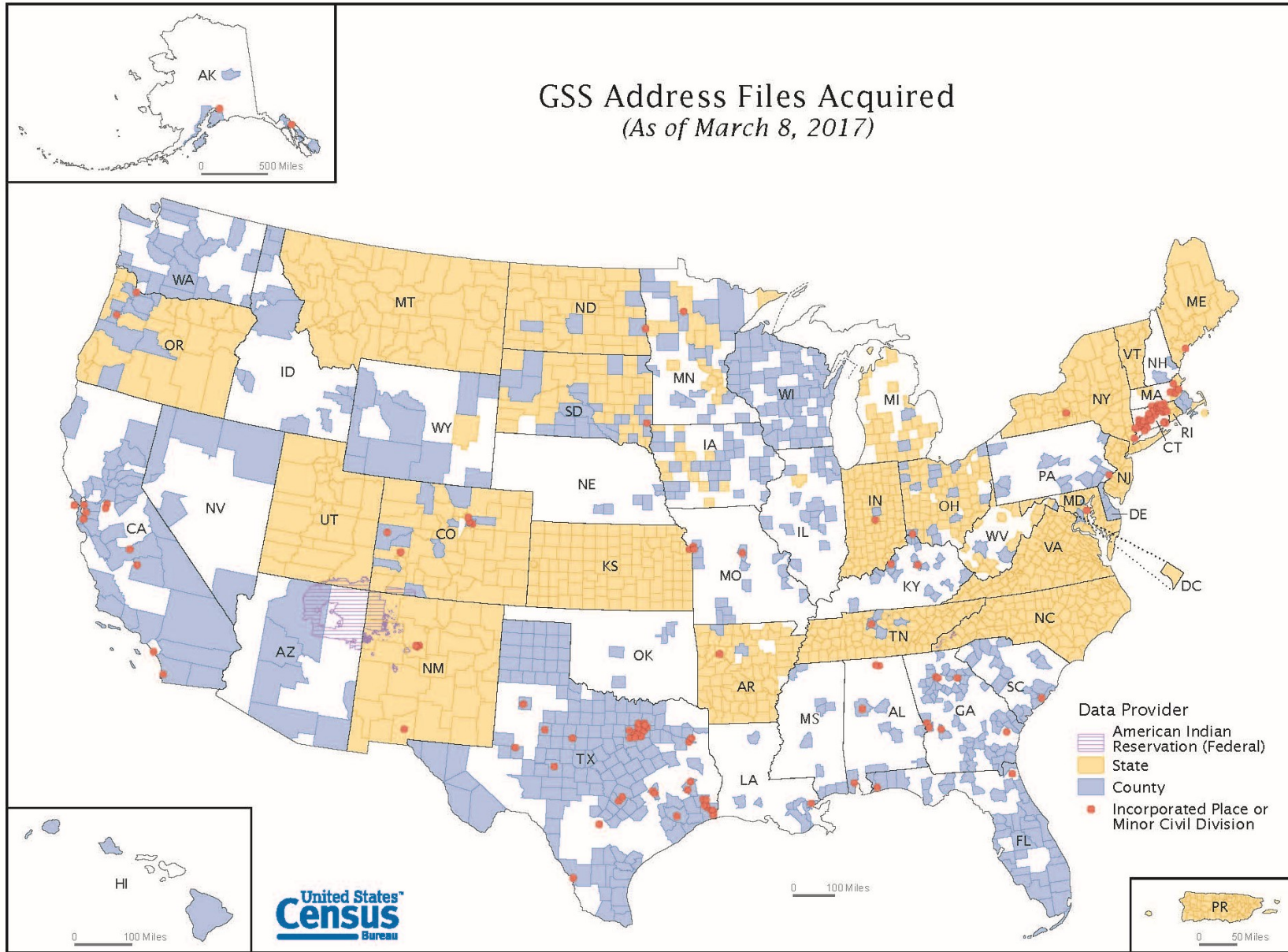
**For all areas in white,
there was no local
review of the Census
address list for the
2010 Census.**



Geographic Support System (GSS) Program

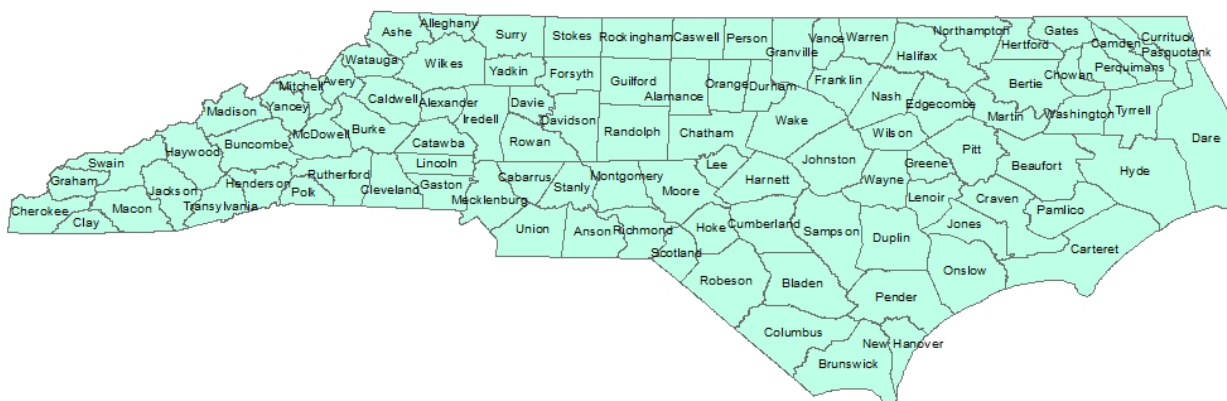
- Integrated program of improved address coverage, continual spatial and feature updates, and enhanced quality assessment and measurement.
- Supports and maintains the geographic and cartographic infrastructure necessary for the Census Bureau's data collection, processing, tabulation, and dissemination programs for the United States and Puerto Rico.
- Provides for continual updates throughout the decade to support current surveys and the 2020 Census.

GSS Address Files Acquired (As of March 8, 2017)



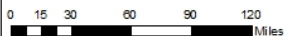
Prepared by the Geography Division, U.S. Census Bureau

GSS in NC



The State of North Carolina provided address point data for the entire state.

The State of North Carolina has provided address point data to the Census Bureau.

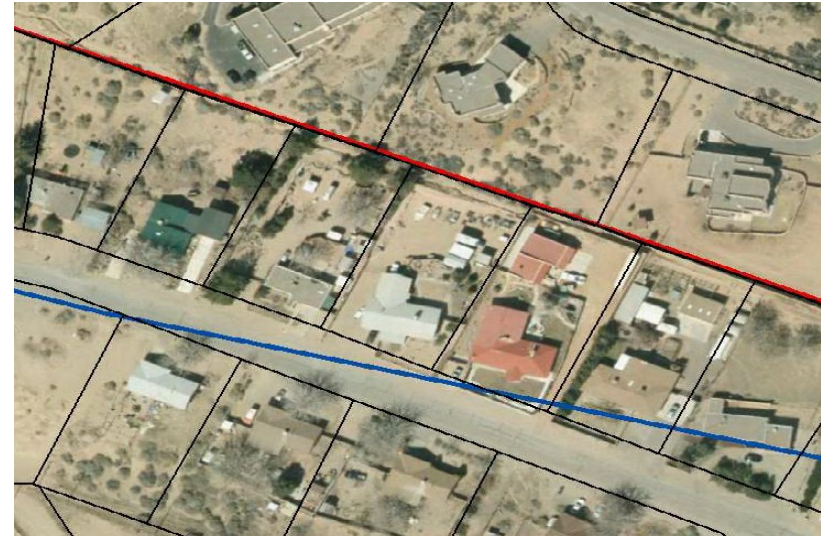


Map Date: 03/02/17

Boundary and Annexation Survey (BAS)



If Census place boundary (**blue**) is not corrected to aligned with the accurate locally-sourced place boundary (**red**) and parcels (**black**), housing units may be misallocated.



Annual BAS Schedule:

- December/January – program information sent to participants
- January 1 – Date that Annexations must be legally in effect
- March 1 – submission deadline for Population Estimates program and ACS
- May 31** – submission deadline for changes to be included in subsequent BAS materials *and in the 2020 LUCA materials.*

LUCA Timeline

- January 2017: Advance notification for LUCA mailed.
- April 2017: LUCA promotional trainings begin.
- July 2017: Invitation letter and registration forms mailed. We recommend registering before the end of August.
- October 2017: Technical training workshops begin.
- February 2018: Participation materials mailed to registered participants (**120 day clock begins upon receipt**). This is the time technical staff needs to be available. We recommend that you plan now to ensure adequate budget and resource availability during this time period.
- August 2019: Feedback materials sent to participants and the 30 day appeals process begins.
- April 1, 2020: Census Day.

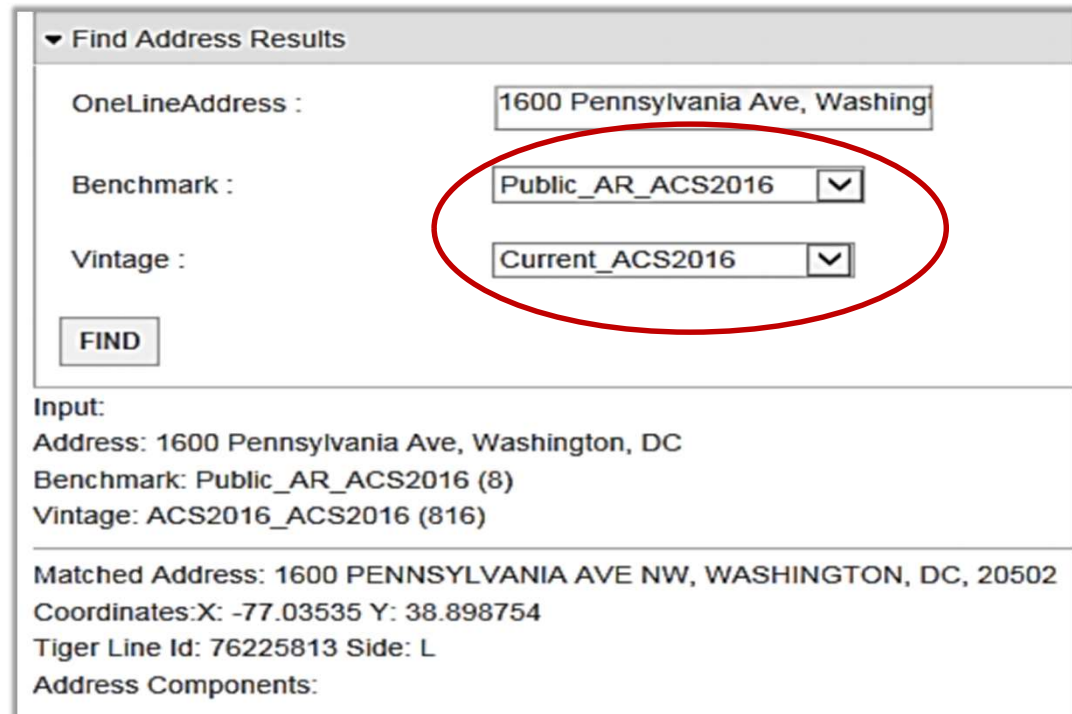
Preparing For LUCA 120 Day Review Period

- Participate in the 2017 Boundary and Annexation Survey (BAS) to ensure your jurisdiction's boundaries are accurate and up to date prior to LUCA.
- Develop your address review strategy and determine team of reviewers – *Estimates are between 16 to 672 hours to complete the address review and submit updates.*
- Coordinate your partnership with overlapping and neighboring county, city, and state governments.
- Determine, assemble, and prepare your local address sources.
- Determine the format for your LUCA materials.
- Geocode your local address list using the on-line Census Geocoder.
- **Access the Census Address Block Count List for your jurisdiction** online and compare these counts to your local sources.

Early Tools For LUCA Partners

Updated Census Geocoder Tool

- Increase the maximum number of records from 1,000 to 10,000.
- Provides an alternate path for larger governments to submit addresses to be geocoded when you have an address list that is not geocoded (not linked to points or parcels or any particular location.)
- 24 hour turnaround on the results.



The screenshot shows the 'Find Address Results' interface. The 'OneLineAddress' field contains '1600 Pennsylvania Ave, Washing'. The 'Benchmark' dropdown is set to 'Public_AR_ACS2016' and the 'Vintage' dropdown is set to 'Current_ACS2016'. A red oval highlights these two dropdown menus. Below the input fields is a 'FIND' button. The results section shows the input address, benchmark, and vintage, followed by the matched address: '1600 PENNSYLVANIA AVE NW, WASHINGTON, DC, 20502', coordinates, tiger line id, and address components.

Field	Value
OneLineAddress	1600 Pennsylvania Ave, Washing
Benchmark	Public_AR_ACS2016
Vintage	Current_ACS2016
Input Address	1600 Pennsylvania Ave, Washington, DC
Input Benchmark	Public_AR_ACS2016 (8)
Input Vintage	ACS2016_ACS2016 (816)
Matched Address	1600 PENNSYLVANIA AVE NW, WASHINGTON, DC, 20502
Coordinates	X: -77.03535 Y: 38.898754
Tiger Line Id	76225813 Side: L
Address Components	

Using The Census Geocoder

With .TXT File Address Lists

- Format addresses in a single line with comma delimiters.
- Each record should consist of the following five fields:
Unique ID ♦ House Number and Street Name ♦ City ♦ State ♦ ZIP Code
- All fields (even blank fields) must be separated by a comma:
 - *Unique ID, House Number and Street Name, City, State, ZIP Code*
 - Valid entries :
 - 1, 1600 Pennsylvania Ave NW, Washington, DC, 20502
 - 2, 1600 Pennsylvania Ave NW, Washington, DC,
 - 3, 1600 Pennsylvania Ave NW,, , 20502
 - Invalid entries :
 - 4, 1600 Pennsylvania Ave NW, Washington, DC
 - 5, 1600 Pennsylvania Ave NW, 20502

Batch Census Geocoder Output File

	A	B	C	D	E	F	G	H	I	J	K	L	M
745	647	1206 TIGER FOREST DR, DECENNIAL, GA,	Match	Non_Exact	1206 TIGER FOREST DR SW, DECENNIAL, GA, 72961	-64.59167,77.66096	17206769	R	13	67	33405	2003	
746	648	1207 TIGER FOREST DR, DECENNIAL, GA,	Match	Non_Exact	1207 TIGER FOREST DR SW, DECENNIAL, GA, 72961	-64.59167,77.66097	17206769	L	13	67	33405	2003	
747	649	1208 TIGER FOREST DR, DECENNIAL, GA,	Match	Non_Exact	1208 TIGER FOREST DR SW, DECENNIAL, GA, 72961	-64.59167,77.660965	17206769	R	13	67	33405	2003	
748	195	3229 GATER DR, DECENNIAL, GA,	Match	Non_Exact	3229 GATER DR SW, DECENNIAL, GA, 72961	-64.60767,77.667705	17177790	L	13	67	33405	3004	
749	642	2431 TIGER LN, DECENNIAL, GA,	Match	Non_Exact	2431 TIGER LN SW, DECENNIAL, GA, 72961	-64.60477,77.697456	17216574	R	13	67	30905	4002	
750	194	3226 GATER DR, DECENNIAL, GA,	Match	Non_Exact	3226 GATER DR SW, DECENNIAL, GA, 72961	-64.60776,77.667614	17177790	R	13	67	33405	3000	
751	643	2432 TIGER LN, DECENNIAL, GA,	Match	Non_Exact	2432 TIGER LN SW, DECENNIAL, GA, 72961	-64.604774,77.697476	17216574	L	13	67	30905	4002	
752	197	3231 GATER DR, DECENNIAL, GA,	Match	Non_Exact	3231 GATER DR SW, DECENNIAL, GA, 72961	-64.60794,77.667604	17177790	L	13	67	33405	3004	
753	644	2486 TIGER LN SW, DECENNIAL, GA, 72961	Match	Exact	2486 TIGER LN SW, DECENNIAL, GA, 72961	-64.604645,77.692902	17216574	L	13	67	30905	4002	
754	196	3230 GATER DR, DECENNIAL, GA,	Match	Non_Exact	3230 GATER DR SW, DECENNIAL, GA, 72961	-64.607925,77.667604	17177790	R	13	67	33405	3000	
755	645	2534 TIGER LN, DECENNIAL, GA,	Match	Non_Exact	2534 TIGER LN SW, DECENNIAL, GA, 72961	-64.604546,77.69166	17177776	R	13	67	30905	4002	
756	191	3218 GATER DR, DECENNIAL, GA,	Match	Non_Exact	3218 GATER DR SW, DECENNIAL, GA, 72961	-64.607414,77.667276	17177790	R	13	67	33405	3000	
757	198	3225 GATER DR SW, DECENNIAL, GA, 72961	Match	Exact	3225 GATER DR SW, DECENNIAL, GA, 72961	-64.607776,77.667045	17177790	R	13	67	33405	3004	
758	198	3225 GATER DR SW, DECENNIAL, GA, 72961	Match	Exact	3225 GATER DR SW, DECENNIAL, GA, 72961	-64.60777,77.667577	17177790						
759	646	2430 TIGER LN, DECENNIAL, GA,	No_Match										
199	3237	GATER DR, DECENNIAL, GA,	Match	Non_Exact	3237 GATER DR SW, DECENNIAL, GA, 72961	-64.606066,77.664407	17177624	L	13	67	33405	3004	
761	198	3233 GATER DR, DECENNIAL, GA,	Match	Non_Exact	3233 GATER DR SW, DECENNIAL, GA, 72961	-64.607994,77.66791	17177790		13	67	33405	3004	
763	199	3237 GATER DR, DECENNIAL, GA,	Match	Non_Exact	3237 GATER DR SW, DECENNIAL, GA, 72961	-64.606066,77.664407	17177624	L	13	67	33405	3004	
764	639	2967 TIGER CT, DECENNIAL, GA,	Match	Match									
765	637	2957 TIGER CT, DECENNIAL, GA,	Tie	Type									
766	638	2966 TIGER CT, DECENNIAL, GA,	Tie										
767	635	2947 TIGER CT, DECENNIAL, GA,	No_Match										
768	636	2956 TIGER CT, DECENNIAL, GA,	No_Match										
769	631	2916 TIGER CT, DECENNIAL, GA,	No_Match										

Batch File Address

Matching Address

TIGER/Line ID**

ID

Lat/Lon*

ST

CO

Tract

Block

*Our latitude and longitude coordinate system is NAD83.

**TIGER/Line ID is dependent upon which benchmark you choose.

(We recommend using Public_AR_ACS2016 Benchmark with Current_ACS2016 vintage.)

Census Geocoder Helpful Hints

- Apartments, suites, lot numbers, rooms, etc., are geocoded by the basic street address, regardless of the individual unit identifier.
- When setting up your address list, it is good practice to use headers to help organize and structure your address formatting – particularly when uploading a spreadsheet based format (.CSV, .XLS, or .XLSX formats).
- Headers count as the first record.
- It takes time to geocode 10,000 addresses – be patient.

More Early Tools For LUCA Partners

Early Address Block Count List

- Providing an early address block count list for partners in January 2017 (includes count of residential addresses and group quarters by block).
- Address Block Count lists can be linked/joined to 2016 TIGER/Line shape files.

	A	B	C	D	E	F	G
1	State	County	Tract	BLOCK	BLOCK_GEOID	Total Residential	Total Group Quarters
2	21	051	9501.00	1000	210519501001000	0	0
3	21	051	9501.00	1001	210519501001001	1	0
4	21	051	9501.00	1002	210519501001002	0	0
5	21	051	9501.00	1003	210519501001003	7	0
6	21	051	9501.00	1004	210519501001004	0	0
7	21	051	9501.00	1005	210519501001005	0	0
8	21	051	9501.00	1006	210519501001006	0	0
9	21	051	9501.00	1007	210519501001007	0	0
10	21	051	9501.00	1008	210519501001008	2	0
11	21	051	9501.00	1009	210519501001009	28	0
12	21	051	9501.00	1010	210519501001010	0	0
13	21	051	9501.00	1011	210519501001011	37	0

Accessing Your Count List

1. Finds your counts HERE!

2. Choose your AIA or state.

3. Choose your entity type.

4. Select your entity.

How Can I Review The Address Block Counts

The 2020 Census LUCA Address Block Count files are available for download. To view your Address Block Counts on a map, download the block list file to determine which folder your entity's Address Block Counts are located in.

Select AIA or a State

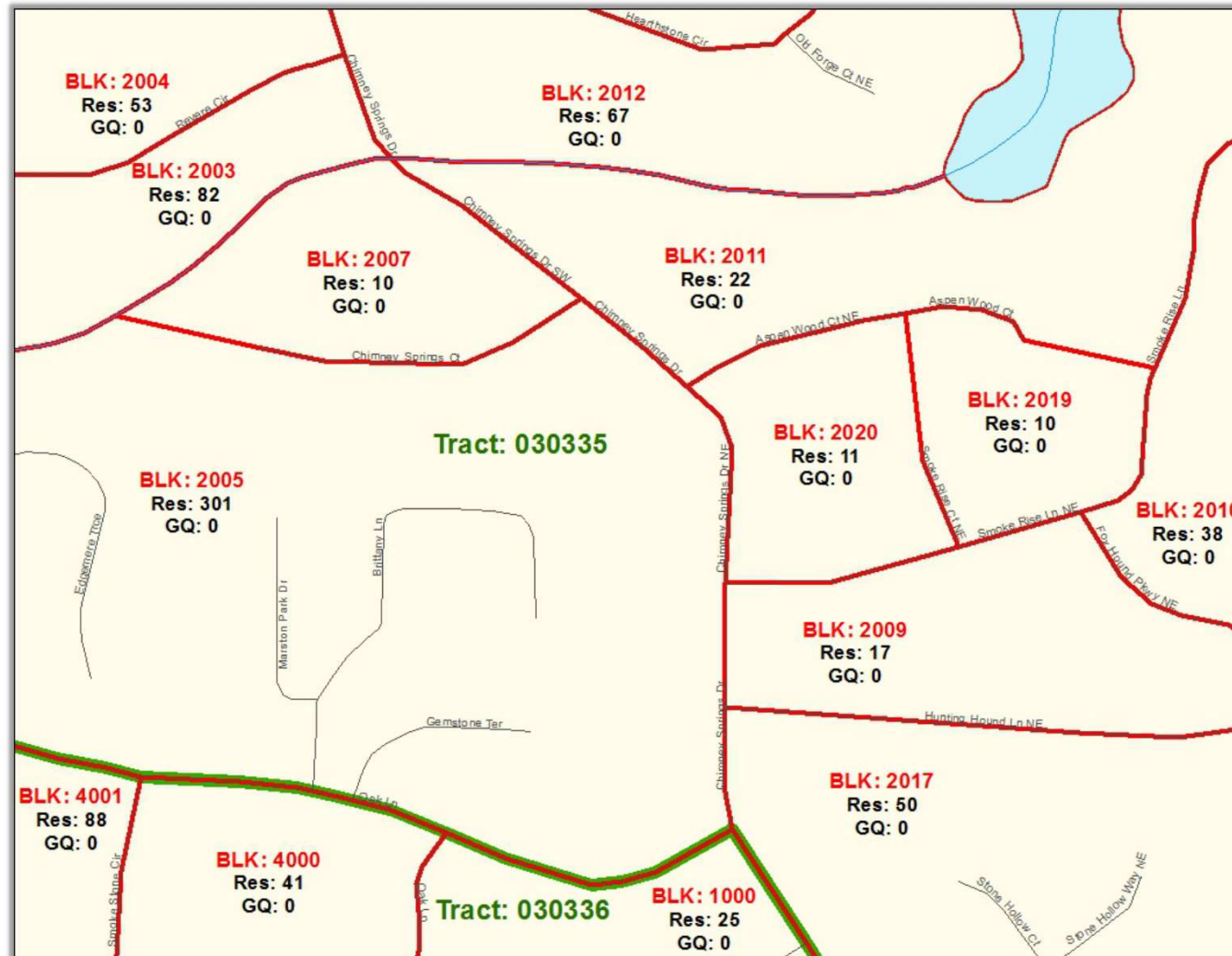
Parent Directory

Name	Last modified	Size	Descr
Parent Directory			
AddressBlockCountList_Locator_S101.txt	12-Jan-2017 09:15	13K	
ST01_Alabama_AddressCountListReport_012017.txt	19-Jan-2017 11:59 9.7M		
county/			
place/			

Parent Directory

Name	Last modified	Size	Descr
PL0100124_Abbevillecity_AddressCountListReport_012017.txt	19-Jan-2017 06:23	6.0K	
PL0100460_Adamsvillecity_AddressCountListReport_012017.txt	19-Jan-2017 06:23	18K	
PL0100484_Addisontown_AddressCountListReport_012017.txt	19-Jan-2017 06:23	1.6K	
PL0100676_Akrontown_AddressCountListReport_012017.txt	19-Jan-2017 06:23	1.8K	
PL0100820_Alabastercity_AddressCountListReport_012017.txt	19-Jan-2017 06:23	25K	
PL0100988_Albertvillecity_AddressCountListReport_012017.txt	19-Jan-2017 06:23	27K	
PL0101132_AlexanderCitycity_AddressCountListReport_012017.txt	19-Jan-2017 06:23	27K	
PL0101228_Alicevillecity_AddressCountListReport_012017.txt	19-Jan-2017 06:23	6.1K	
PL0101396_Allgoodtown_AddressCountListReport_012017.txt	19-Jan-2017 06:24	1.6K	
PL0101660_Altoontown_AddressCountListReport_012017.txt	19-Jan-2017 06:24	3.0K	
PL0101708_Andalusiacity_AddressCountListReport_012017.txt	19-Jan-2017 06:35	16K	
PL0101756_Andersontown_AddressCountListReport_012017.txt	19-Jan-2017 06:35	1.4K	

Linking Address Block Count Data



Early Address Block Count Lists can be linked/joined to 2016 TIGER/Line Shapefiles for overlay and analysis.

Accessing TIGER/Line Shapefiles

Geography

Main About Maps & Data Reference Partnerships Education Research GSS-I Contact Us

Partnerships

- Partnerships Main Page
- American Indian and Alaska Native Programs
- Boundary and Annexation Survey
- Federal Register Notices
- School District Review Program
- Local Update of Census Addresses Operation
- 2010 Participant Programs
- 2000 Participant Programs

2020 Census Local Update of Census Addresses Operation (LUCA)

LUCA is the only opportunity offered to tribal, state, and local governments to review and comment on the U.S. Census Bureau's residential address list. The [Address List Improvement Act of 1994 \(Public Law 103-430\)](#) authorizes the LUCA.

Who Can Participate?

Active, functioning governments are eligible to participate in LUCA for areas including:

- Federally recognized tribes with a reservation or off-reservation trust lands;
- States;
- Counties;
- Cities (incorporated place); and
- Townships (minor civil divisions).

If your government lacks the resources to participate in LUCA, you can arrange for a higher level of government, such as county, or an organization to participate on your behalf.

Why Participate?

- Governments that participate in the LUCA operation help ensure an accurate decennial census count for their communities.
- An accurate count helps the federal government annually allocate more than \$400 billion across 26 federal agencies for tribal, state, and local government programs.
- To help your community plan for future needs.

What's New!

- Pre-2020 LUCA activities provide more opportunities to submit address information and receive feedback through the LUCA process.
- Streamlined participation through the Full Address List Review.
- The Census Bureau's digital address list is available in a new, convenient standard software format.
- Availability of the Census Bureau Geographic Update Partnership Software (GUPS), a self-contained Geographic Update Partnership Software (GUPS), a self-contained Geographic Update Partnership Software (GUPS), a self-contained Geographic Update Partnership Software (GUPS).
- Access to comprehensive data that includes residential structure latitude/longitude coordinates and ungeo-coded addresses.
- Digital participants may submit residential structure coordinates as part of their address updates.

What is the LUCA Schedule?

Prepare for LUCA by participating in the 2017 [Boundary and Annexation Survey \(BAS\)](#). The BAS began in December 2017. For more information, visit the [BAS Website](#).

January 2017: Advance notification of the LUCA operation mailed to the highest elected official (HEO) or Tribal Chairperson (TC) of all eligible governments.

March 2017: LUCA promotional workshops begin.

July 2017: Invitation letter and registration forms mailed to the HEO or TG of all eligible governments.

2016 TIGER/Line shapefiles

Joining Census Data to TIGER/Line Shapefiles [PDF].

How Can I Review The Address Block Counts for My Entity?

The 2020 Census LUCA Address Block Count files are available for download from our FTP site. Please select American Indian and Alaska Native, State, County, or City/Incorporated Place to determine which folder your entity's Address Block Count file is stored in. More information about the files is available in the [LUCA User Guide](#).

Select AIA or a State

To view your Address Block Counts on a map, download the block layer [2016 TIGER/Line shapefiles](#) for your state and follow the instructions for [Joining Census Data to TIGER/Line Shapefiles \[PDF\]](#).

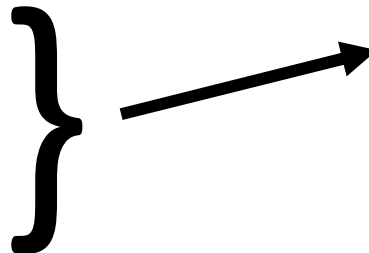
Preparation – Address List Formats

- Paper
 - Available to governments with 6,000 or fewer addresses.
 - Legal size (8.5” x 14”) – 6 addresses per page.
 - Two sorts:
 - Street Name/House Number.
 - Census Tract number/Block number/Street Name/House Number.
 - Separate ‘Add Page’
- Digital
 - Available to all governments.
 - Excel (.xlsx) or Comma Delimited Text (.csv) format.
 - No separate ‘Add Page’.

Address List Layout

LUCA 2010 – 26 Fields

Entity ID
Line #
MAFID
Action
State
County
Tract
Block
GQ Flag
House Number
Street Name Prefix Qualifier
Street Name Prefix Direction
Street Name Prefix Type
Street Name
Street Name Suffix Type
Street Name Suffix Direction
Street Name Suffix Qualifier
Location Description or GQ Name
Apartment/Unit Number
ZIP Code
Noncity-Style Mailing Address
Noncity-Style ZIP Code
Structure Point
Latitude
Longitude
City-Style Flag



LUCA 2020 – 24 Fields

Line #
MAFID
Action
Entity ID
State
County
Tract
Block
GEO ID
GQ Flag
House Number
Street Name
Apartment/Unit #
ZIP Code
GQ Name
Facility Name
Location Description
Noncity-Style Mailing Address
Noncity-Style ZIP Code
Mapspot ID
Address Use
Latitude
Longitude
City-Style Flag

Paper - Address List

DISCLOSURE PROHIBITED BY TITLE 13, U.S.C.

1 Line Number	2 MAFID	3 Action Code	4 Census Geographic Location of Address			5 GQ Flag	6 City Style Mail Delivery Address or E-911 Address or Physical Location Description and Road Name			7 Noncity-Style Mail Delivery Address (RR Number, HCR Number, PO Box Number)	8 Map Spot Number	9 City-Style Address Flag	10 Map Spot ID Coordinates		
			(4a) State County Code	(4b) Census Tract	(4c) Census Block		(6a) Complete Address Number	(6b) Complete Street Name	(6c) Group Quarters Name				(6d) Facility Name or Physical Location Description	(6e) Apt/ Unit Number	(6f) City- Style ZIP Code
25	999999993		88009	0045.00	1055		4007	AMPHORA ST			99997		3	Y	40.361373 -73.543799
26	999999994		88009	0045.00	1055		4009	AMPHORA ST			99997		4	Y	40.361377 -73.543799
27	999999995		88009	0045.00	1058		5001	AMPHORA ST			99997		1	Y	40.361381 -73.543799
28	999999996		88009	0045.00	1058		5003	AMPHORA ST			99997		2	Y	40.3613785 -73.543799
29	999999997		88009	0045.00	1065		402	W CAMERDN AVE			99997		11	Y	40.3613791 -73.543799
30	999999999		88009	0045.00	1065		404	W CAMERON AVE			99997		12	Y	40.3613796 -73.543799

Action Codes

C – Correction to this address D – Delete this address J – Address is not in this Jurisdiction N – Address is Nonresidential

FICTITIOUS INFORMATION –FOR EXAMPLE ONLY

NO TITLE 13 DATA DISPLAYED

DISCLOSURE PROHIBITED BY TITLE 13, U.S.C.



Paper – Address List Add Page

Form D-2008 (XX-XX-XXXX) OMB Control No. 0607-0994	U.S. DEPARTMENT OF COMMERCE ECONOMICS AND STATISTICS ADMINISTRATION U.S. CENSUS BUREAU	PAGE _____ OF _____ PAGES Name of Preparer: _____ <i>(Print Name)</i> Date Completed: _____ <i>(MM/DD/YYYY)</i>
ADDRESS LIST ADD PAGE 2020 LOCAL UPDATE OF CENSUS ADDRESSES OPERATION (LUCA)		

Add Page For: _____ Entity ID Code: _____
(Entity Name) *(Copy from Address List Page)*

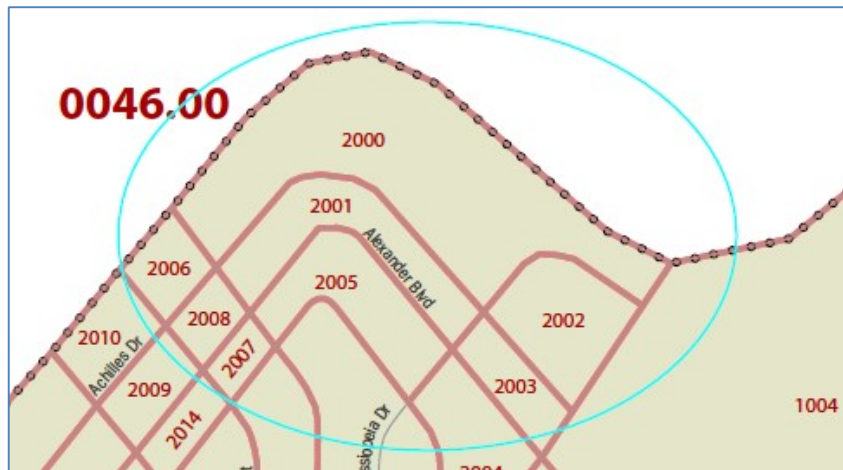
1 Line #	2 Census Geographic Location of Address				3 Enter "Y" if this is a Group Quarters	4 Residential Address				5 Unique Map Spot Number	6 Address Use, if known M=Mailing L=Location B=Both	
	(2a) State Code Number	(2b) County Code Number	(2c) Census Tract Number	(2d) Census Block Number		(4a) Complete Address Number	(4b) Complete Street Name	(4c) Group Quarters Name	(4d) Facility Name			(4e) Apt/ Unit Number

Example

DISCLOSURE PROHIBITED BY TITLE 13, U.S.C.

Map Media types

- **Electronic Map Media**
 - Maps are provided as TIGER partnership shapefiles
- **Paper Map Media**
 - Large format paper map(s) (36" X 42") along with a DVD of small format (8.5" X 14") block maps in Adobe PDF format



Geographic Update Partnership Software (GUPS)

- Customized Geographic Information System (GIS) software for participation in the 2020 LUCA operation.
- Designed to be usable for participants with no GIS experience, but may also be the best choice for GIS users.
- Allows for both simple and complicated reviews and edits.
- *Quality Check/Validation Tool within GUPS assures LUCA edits are valid before submission file(s) are created.*
- No internet connection required.

GUPS Hardware and Software Requirements

Hardware	Operating System	Browser
<p>Disk Space Needed to Run the GUPS: 1.3 GB</p> <p>Disk Space Needed to Store Shapefiles: Shapefile sizes vary. To view the size of your shapefiles, select a file/folder, right-click, and choose Properties in the drop-down menu. <i>The Files Properties box opens and displays the file/folder sizes.</i> Select multiple files/folders in the list to view their properties via the same method.</p> <p>RAM:</p> <ul style="list-style-type: none"> • 4 GB recommended minimum 	<p>Windows: To run the GUPS, users need one of the following Windows operating systems:</p> <ul style="list-style-type: none"> • Windows XP • Windows Vista • Windows 7 • Windows 8 • Windows 10 <p>Apple Mac OS X: Mac OS X users must secure a license for Microsoft Windows and use a Windows bridge. The suggested bridge software is Boot Camp, which comes pre-installed on all Mac computers. See instructions for using Boot Camp at: https://www.apple.com/support/bootcamp/getstarted/</p> <p>Important Note: Since Boot Camp requires you to restart your computer to set up the bridge, be sure to print the instructions provided at the URL above before you begin.</p>	<p>Minimum Browser Versions to Play Training Videos:</p> <ul style="list-style-type: none"> • Internet Explorer 9 • Google Chrome 3 • Mozilla Firefox 3.5 • Apple Safari 4 <p>Minimum Browser Versions to Use SWIM:</p> <ul style="list-style-type: none"> • Internet Explorer 8 • Google Chrome 3 • Mozilla Firefox 3.5 • Apple Safari 4.1.3

Geographic Update Partnership Software (GUPS)

The screenshot displays the QGIS 2.8.3-Wien - PL2430900 - GUPS software interface. The main map area shows a geographic view of Frostburg city, with districts 11, 12, and 26 highlighted in green. The interface includes a menu bar, a toolbar, and two data tables.

Census Address List

GEOID	MAFID	Action	ST	COU	Tract	Block	GEOID	GQ	House #	Street Name	Apt/L
2504	000000001		24	001	0018.00	1055	240010018001055			Gold Fish HWY	
2505	000000002		24	001	0018.00	1055	240010018001055			Nemo HWY	
2506	000000003		24	001	0018.00	1055	240010018001055			HotdogBEER LANE	
2507	000000004		24	001	0018.00	1055	240010018001055			Gold Fish LANE	

Address Count List

	STATE	COUNTY	TRACT	BLOCK	GEOID
17	24	001	0016.00	1012	2400100160010
25	24	001	0016.00	1014	2400100160010
53	24	001	0016.00	1019	2400100160010
47	24	001	0016.00	1020	2400100160010
40	24	001	0016.00	1049	2400100160010
50	24	001	0016.00	1050	2400100160010
273	24	001	0016.00	1051	2400100160010
10	24	001	0016.00	1052	2400100160010
212	24	001	0016.00	1053	2400100160010
151	24	001	0016.00	1054	2400100160010
176	24	001	0016.00	1055	2400100160010
76	24	001	0016.00	1057	2400100160010
202	24	001	0016.00	1058	2400100160010
171	24	001	0016.00	1059	2400100160010
51	24	001	0016.00	1060	2400100160010
56	24	001	0016.00	1061	2400100160010
268	24	001	0016.00	1064	2400100160010
93	24	001	0016.00	1067	2400100160010
250	24	001	0016.00	1069	2400100160010
108	24	001	0016.00	1070	2400100160010
179	24	001	0016.00	1071	2400100160010
31	24	001	0016.00	1072	2400100160010
218	24	001	0016.00	1073	2400100160010
72	24	001	0016.00	1075	2400100160010

Coordinate: -78.8892, 39.6369 Scale: 1:33,456

Geographic Update Partnership Software (GUPS)

QGIS 2.8.3-Wien - CO24027 - GUPS *** Disclosure Prohibited by Title 13 U.S.C. *** (Not Responding)

Project Edit View Layer Settings Vector Raster Processing Help GUPS

*** Indicates required field**

This is a Group Quarters Address

STCOU : 24027

Tract : * 6069.07

Block : * 3000

House Number : * 101

Street Name : * ? Any Street Ave

Apartment/Unit # : ?

Zip Code : 20014

Address Use: M - Mailing

Longitude : -76.8427486128 Latitude : 39.1155212927

Add Map Spot Clear Map Spot OK Copy Cancel

Census Address List

Add Import Deselect All Features

GEOID

	MAFID	Action	ST	COU	Tract	Block	GEOID	GQ	House #	Street Name
1	A14041961	A	24	027	6069.06	2003	240276069062003		101	Any Ave
0	A19734500	A	24	027	6069.07	3000	240276069073000		101	Any Ave

Show All Features

Census Address List User Address List

1 feature(s) selected on layer luca20_CO24027_censusaddr.

Prioritizing Your Review

When a complete review is not possible, focus your review on these areas:

- Group quarters – College dorms, nursing homes, correctional facilities, etc.
- Areas of new construction.
- E-911 conversion areas.
- Single/multifamily home conversions.
- Warehouses converted to residential.
- New mobile homes.
- Apartment buildings with irregular/missing numbering schemes.
- Annexed land.
- Areas along governmental boundaries.
- Blocks with the greatest count differences between the Census Bureau's address block count and your address block count.
- State and county reviewers should also focus on the ungeocoded list.

<http://www.census.gov/geo/partnerships/luca.html>
(check this website for updates)

The screenshot shows a web browser window displaying the Census Bureau's website. The address bar shows the URL www.census.gov/geo/partnerships/luca.html. The page features the United States Census Bureau logo and a navigation menu with categories like Topics, Geography, Library, Data, Surveys/Programs, Newsroom, and About Us. The main content area is titled "2020 Census Local Update of Census Addresses Operation (LUCA)" and includes sections for "Who Can Participate?", "Why Participate?", and "What's New!". A sidebar on the left lists various partnership programs, with "Local Update of Census Addresses Operation" highlighted.

2020 Census LUCA

Questions?

Toll free LUCA Helpline:

(844) 344-0169

Email: GEO.2020.LUCA@census.gov

Website: <https://www.census.gov/geo/partnerships/luca.html>

Atlanta Regional Office Geography Department:

(404) 331-1339

atlanta.geography@census.gov