



# The 2020 Census Geographic Partnership Opportunities

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# Geographic Partnership Opportunities

## The 2020 Census



Local Update of Census Addresses



Geographic Support System



Participant Statistical Areas Program



Boundary and Annexation Survey



Boundary Quality Assessment & Reconciliation Project



Tools: GUPS, SWIM, Community TIGER

# 2020 Local Update of Census Addresses Program

A once-a-decade-opportunity for designated representatives to review the addresses that will be used to conduct the Decennial Census

## *Single, Simplified Option:* Title 13, Full Address List Review

- Reduce the number of deleted LUCA records in field verification activities
- Reduce the burden and the complexity of LUCA
- Continuous feedback throughout the decade through the Geographic Support System program
- No Boundary & Annexation Survey as LUCA component for 2020

# 2020 LUCA Program

## *New for 2020*

- Include census structure coordinates in the census address list and allow partners to return their structure coordinates as part of their submission
- Provide ungeocoded (no geographic coordinates) U.S. Postal Service Delivery Sequence File addresses to State and County partners
- Provide address list in more standard formats (.xlsx & .csv)
- We'll provide address counts in early 2017 and a public geocoding tool so you can geocode your address list to assess whether you'd like to participate

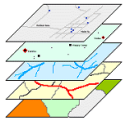
# 2020 LUCA Program

## Participation Options & Schedule

### Participation Options:



GUPS (Geographic Update Partnership Software)



Digital (Commercial GIS/Spreadsheet/Database software)



Paper Address List and Maps

(Available only to governments with < 6000 addresses)

Background imagery on paper maps

### Tentative Schedule:

Program Invitation: July 2017

Materials Available for Review: February 2018

LUCA Feedback Provided: August 2019

LUCA Appeals: October 2019

# Geographic Support System

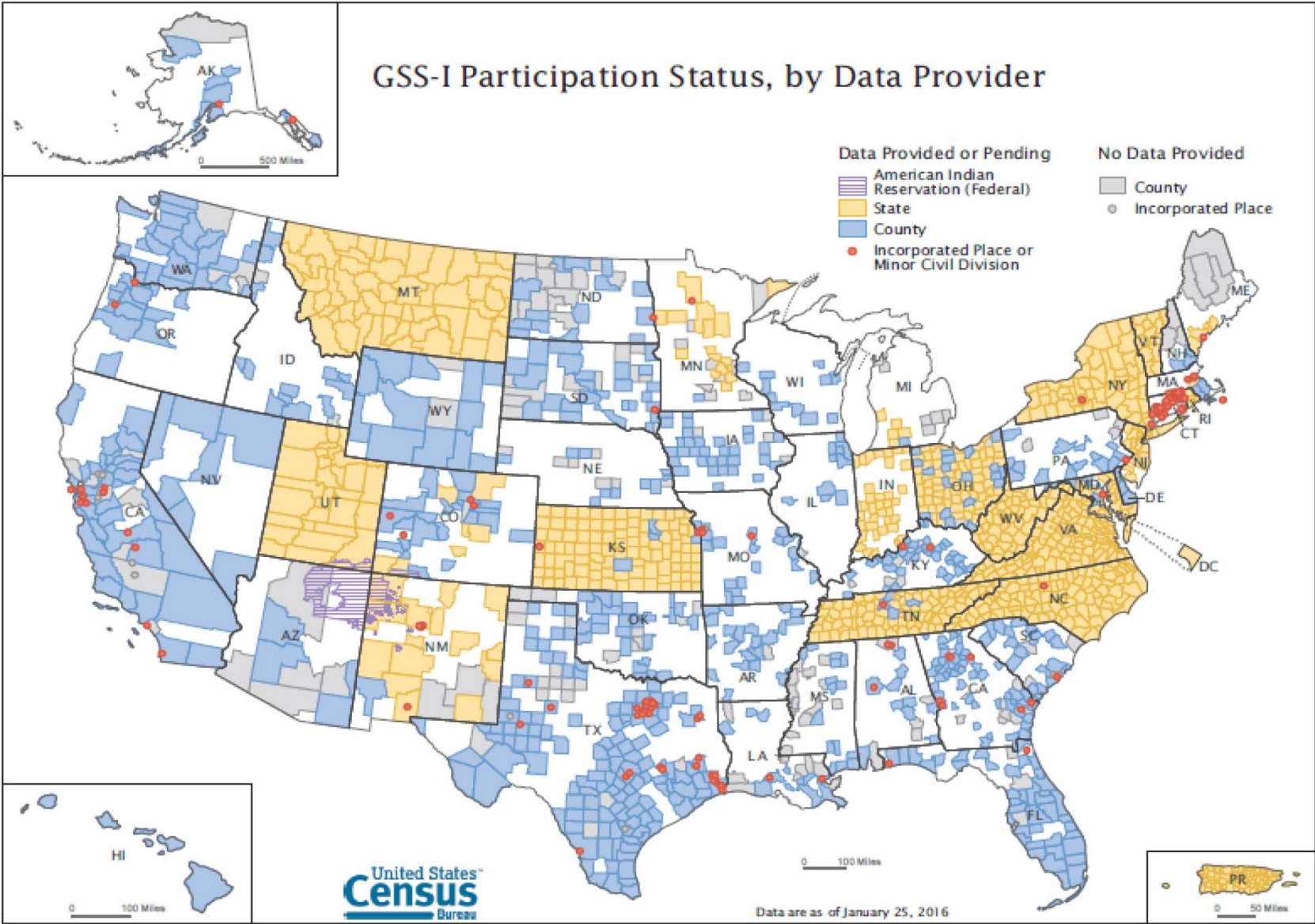
GSS: Opportunity to submit addresses and spatial data to Census Bureau on a continual basis

*Goal: Add new addresses to the Master Address File (MAF), new streets to TIGER, and resolve address and spatial inconsistencies*

- Must meet minimum address guidelines
- After acquiring partner data, Census performs content verification to determine usability
- Crosswalk, standardize, match, and geocode partner addresses and structure points using Master Address File
- Match street centerline data to ID differences, calculate spatial accuracy (CE95 method) of partner data using GPS control points

[new.york.geography@census.gov](mailto:new.york.geography@census.gov)

# GSS-I Participation Status, by Data Provider



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



# 2020 Participant Statistical Areas Program

Opportunity for designated representatives to review and update statistical geographies for 2020 Census data tabulation

- Enables coordinating agencies to review, identify, propose changes and delineate new census tracts, block groups, and census designated places (CDPs).
- TSAP folded into PSAP: ONE program on one schedule
- 2 Phases: Delineation (120-day review)  
Verification



# 2020 PSAP “Plan”

## *New for 2020*

- Census Bureau intends to create a 2020 statistical areas “plan” for both the standard and tribal statistical geographies, which our partners can review and update
- Lessens burden on our partners
- Ensures that ALL statistical geographies are reviewed/updated consistently
- More extensive review than just criteria thresholds
- Partners can update the 2020 “plan” **OR** they have option to update from 2010 statistical geography base

***GOAL: Clean, Consistent Statistical Geography Nationwide***

# 2020 PSAP

## *Standardizing the Definition of 'Place'*

### ***Census Bureau Places***

- **Incorporated Places** – Legally bounded entity: cities and boroughs – New Jersey's townships are not treated as places
- **Census Designated Places (CDP)** – Statistical entity: unincorporated community, concentration of population, housing & commercial structures, identifiable by name but not within an incorporated place

### ***County Subdivisions***

- **Minor Civil Divisions (MCD)** – Legally bounded entity: the New Jersey townships
- **County Subdivisions** – For data download purposes, New Jersey townships, cities and boroughs

# 2020 PSAP

## *Standardizing the Definition of 'Place'*

### ***Economic Places***

- Incorporated Places
- Towns/townships in the Northeast as well as Michigan, Minnesota and Wisconsin (the 12 “strong-MCD” states)
- Census Designated Places (except in the 12 “strong-MCD states)
- Balance of county
- Balance of town/township

### ***For the 2012 Economic Census, places encompass***

- 2,500 or more people, or
- 2,500 or more jobs

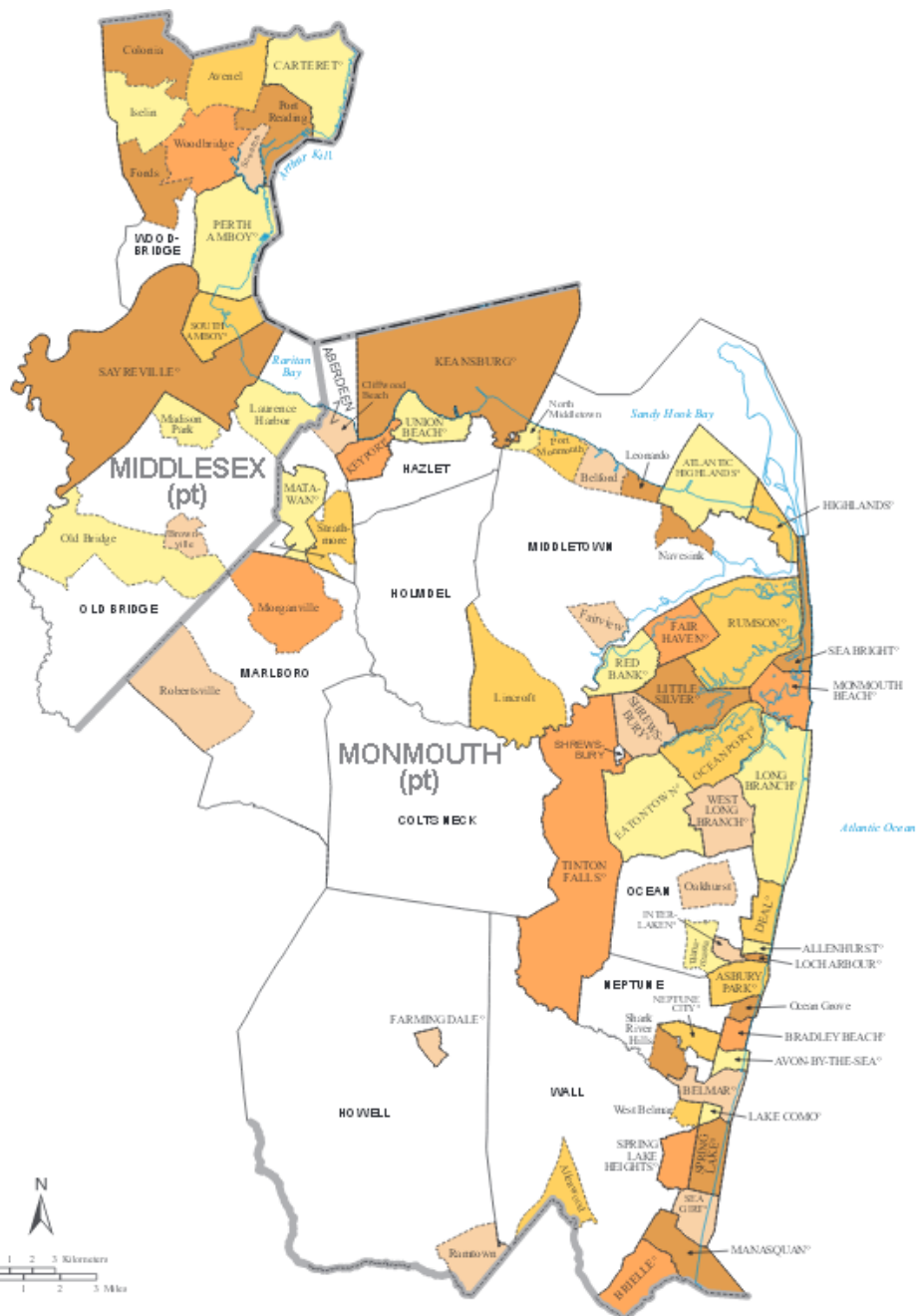
# 2020 PSAP

## *Standardizing the Definition of 'Place'*

### ***Questions for Census data users:***

- Should we treat governmental towns/townships in the nine Northeastern states, as well as Michigan, Minnesota and Wisconsin, as places?
  - Would this allow for CDP creation in cities?
- How do we treat unincorporated communities within these towns/townships?
  - Define as CDPs, creating a second level of place?
  - Do not allow CDPs to be defined?

***Census Bureau to conduct a survey of data users (likely through the State Data Centers) to get your input***



# 2020 PSAP

## Participation Options & Schedule

**Standard Statistical Geographies:**



**GUPS**

Geographic Update Partnership Software

**Tribal Statistical Geographies:**



**GUPS**

or



**Paper Maps**

### Tentative Schedule:

Program Invitation: Spring 2017

Materials Available: Winter 2018

PSAP Verification: Fall/Winter 2019

# Annual Boundary & Annexation Survey

## Legal Boundaries in Effect on January 1

- Annual Survey to collect legal Boundaries in effect on January 1 of the BAS year
- Boundaries are used to tabulate data for:
  - Decennial Census (year ending in 0)
  - Economic Censuses (years ending in 2, 7)
  - Population Estimates Program (annually)
  - American Community Survey (annually)
- Survey sent starting in December, materials still available (BAS 2017 survey sent in December 2016)



# BAS Consolidation

## by the State or a County Government

### **State-Level BAS consolidation:**

- Appropriate where state law dictates that all governments within the state must provide legal changes to a state office

### **County-Level BAS Consolidation:**

- County responds to BAS for governments within the county (entities must agree)

Consolidation can eliminate duplication of effort, save money, ensure boundary changes are being reported, contributes to the National Spatial Data Infrastructure (Census Bureau is boundary steward under OMB Circular A-16)

*Good Opportunity to Update Boundaries before LUCA!*

# Boundary Validation Program

## January 2020

- Highest Elected Officials and Tribal Chairs provided maps of jurisdictional boundaries for review and update
- Boundaries as of January 1, 2020 that will be used for 2020 Census data tabulation

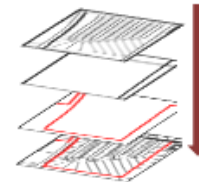
# Boundary Quality Assessment and Reconciliation Project

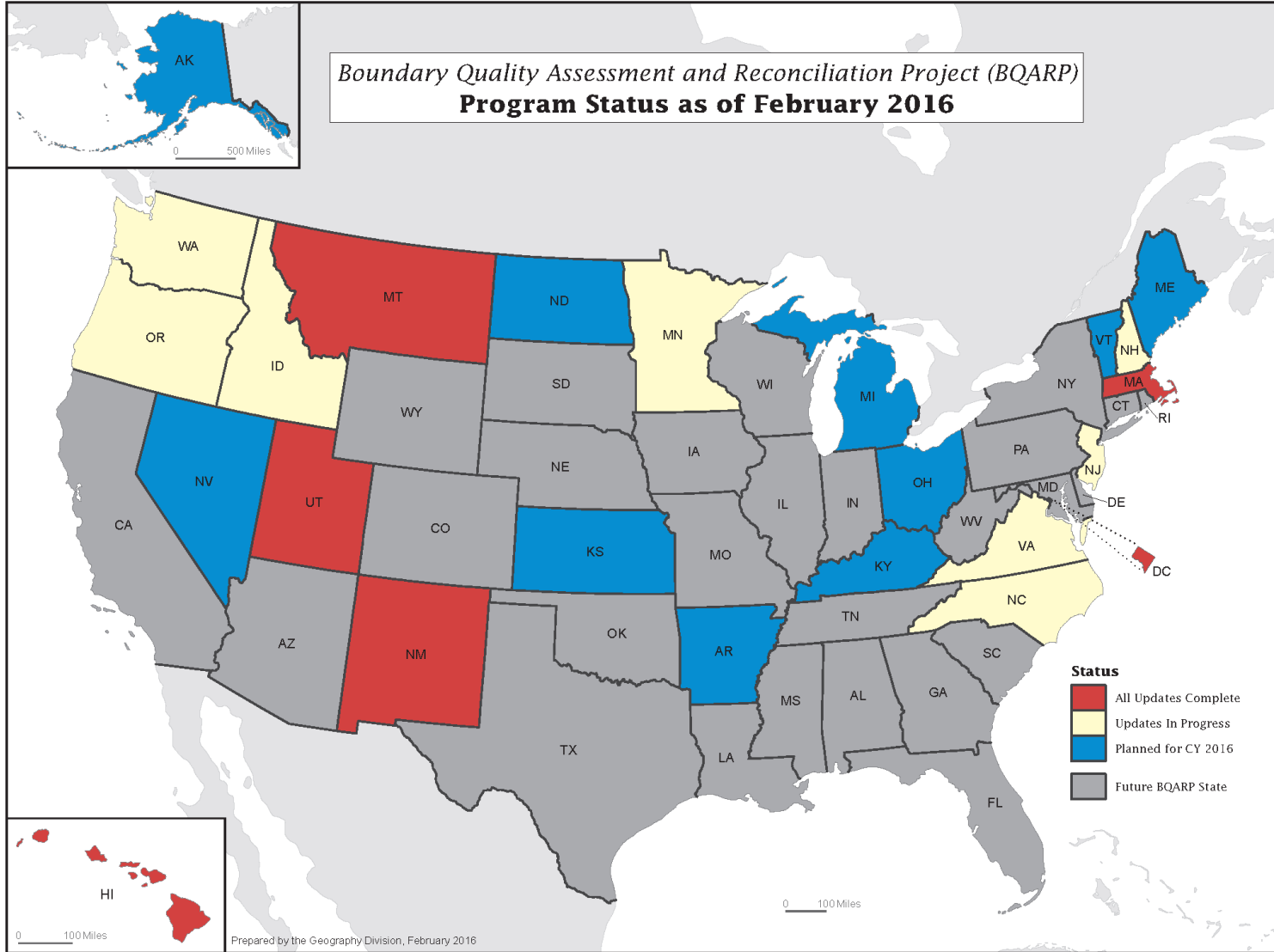
## BQARP

*Goal: Improve legal and administrative spatial boundary quality in MAF/TIGER System*

- Compare locally sourced data (we acquire whole data sets, not transaction polygons) to adjust Census boundaries
- Align to parcel and PLSS boundaries, where applicable
- Coordinate efforts with State partners
- Lock boundaries in place to prevent changes without legal documentation

*Independent of BAS*





# Census Bureau Geographic Partnership Tools

## GUPS: Geographic Update Partnership Software

- Self-contained GIS software package that allows partners with or without GIS software to digitally participate in Census geographic programs, including address updates
- Replaces the MAF/TIGER Partnership Software (MTPS)
- Includes built-in tools and verification checks to ensure your data output adheres to program criteria and is formatted correctly so it can be accepted and processed by Census

*Supports all Geographic Partnership Programs:*

**RDP** Redistricting Data Program

**LUCA** Local Update of Census Addresses

**PSAP** Participant Statistical Areas Program

**SDRP** School District Review Program

**BAS** Boundary & Annexation Survey

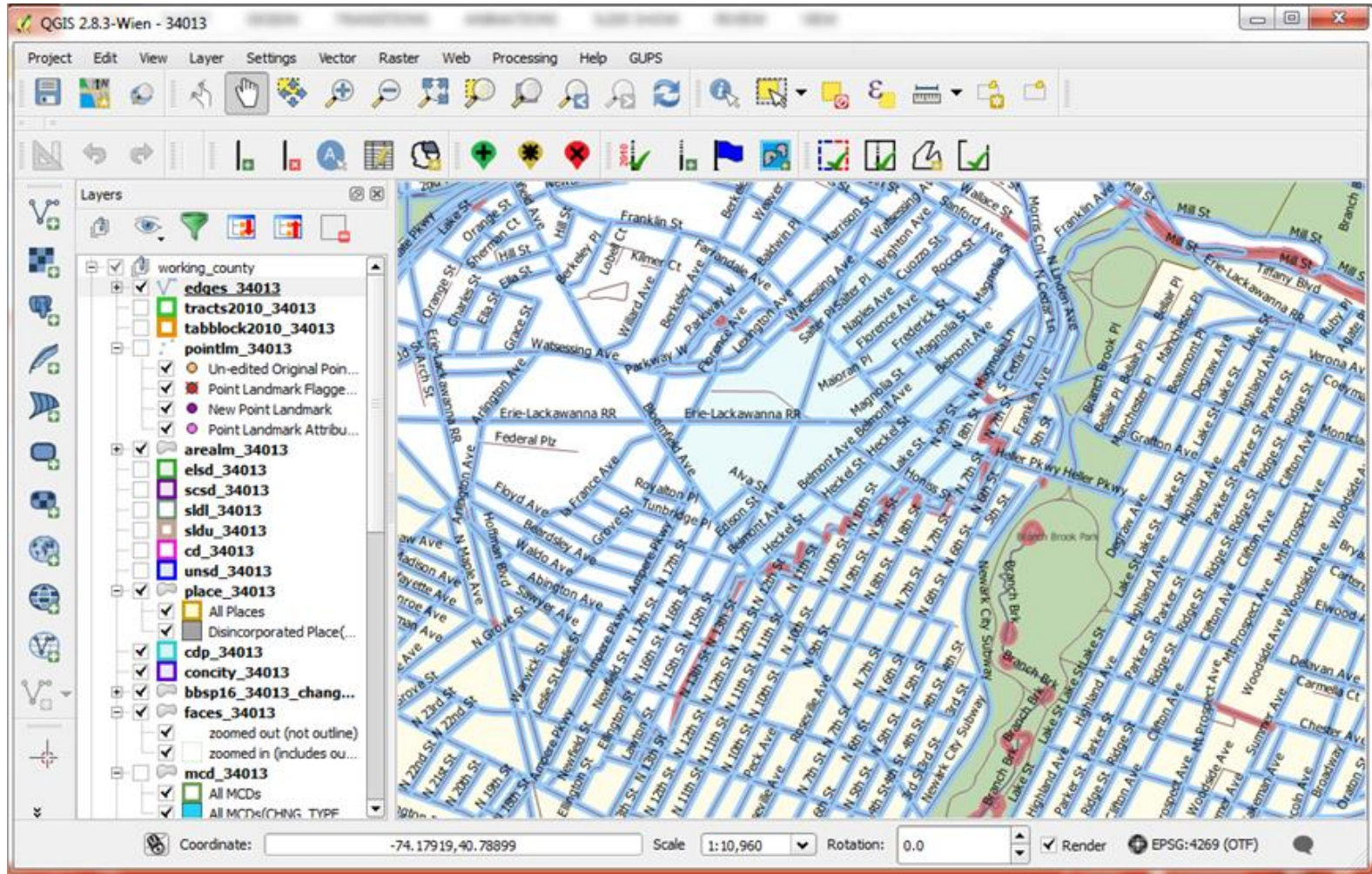
**PUMA** Public Use Microdata Areas

**TAZ/TAD** Traffic Analysis Zones/Traffic  
Analysis Districts

**CQR** Count Question Resolution

# Census Bureau Geographic Partnership Tools

## GUPS: Geographic Update Partnership Software





# SWIM: Secure Web Incoming Module

Official web portal for uploading partnership materials to the Census Bureau

<https://respond.census.gov/swim/>

The screenshot shows the SWIM web portal interface. At the top, there is a dark blue header with the text "SWIM - Secure Web Incoming Module" on the left and "Logged in as User" followed by "Logout" and "Help" buttons on the right. The main content area is white and contains the following text and options:

**What Census program are you reporting data for?**

Select the geographic program that you currently wish to submit data for the Census Bureau to review. This selection affects only your current upload. You may select a different option for future uploads. If you are unsure what program to select, use Geographic Support System Initiative (GSS-I) or send an email to [geo.swim@census.gov](mailto:geo.swim@census.gov) for more guidance.

- Geographic Support System Initiative (GSS-I)
- Boundary Annexation Survey (BAS)
- School District Review Program (SDRP)
- Boundary Quality Assessment and Reconciliation Project (BQARP)
- Federal Agency Updates (FDU)
- Redistricting Data Program - BBSP-VTD (RDP)
- Redistricting Data Program - CD-SLD (RDP)

At the bottom center of the form area, there is a "Next" button.



# Community TIGER: Address & Spatial Data Sharing



- Partnership with ESRI
- No-cost access to ArcGIS software
- Cloud environment (Amazon WorkSpaces)
- Standardizes local data
- Validates data prior to submittal
- Manages data submittals
- Adheres to Census Bureau minimum data standards
- Supports National Address Database development

Send email requesting Community TIGER registration to [geo.community.tiger@census.gov](mailto:geo.community.tiger@census.gov) to get started

# The 2020 Census

## Key Geographic Partnership Activities

2016

**BAS 2016** deadline to be included in ACS, PEP - March 1  
**BAS 2016** deadline for updates to be included in next year's BAS - April 31:  
**BAS 2017** annual invitation to update legal boundaries - December

2017

**LUCA** Advance Notice sent to Highest Elected Officials – January  
**BAS 2017** deadline to be included in ACS, PEP - March 1  
**BAS 2017** deadline for updates to be included in next year's BAS - April 31:  
**LUCA** Invitation to review Master Address File –July 2017  
**BAS 2018** annual invitation to update legal boundaries - December

2018

**LUCA** materials available for review- February (120 days)  
**PSAP** materials available for review -December 120 days  
**BAS** schedule repeated as above

2019

**LUCA** Feedback provided to participants - August  
**LUCA** Appeals Process - October  
**PSAP** Verification materials available for review- Fall/Winter  
**BAS** schedule repeated as above

2020

**Boundary Validation Program** maps sent to HEO/Tribal Chair -January  
**Census Day** – April 1, 2020  
**Apportionment Counts to the President**- by December 31, 2020  
**BAS** schedule repeated as above

2021

**Redistricting Counts to the States** - by March 31, 2021  
**BAS** schedule repeated as above

# Questions



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