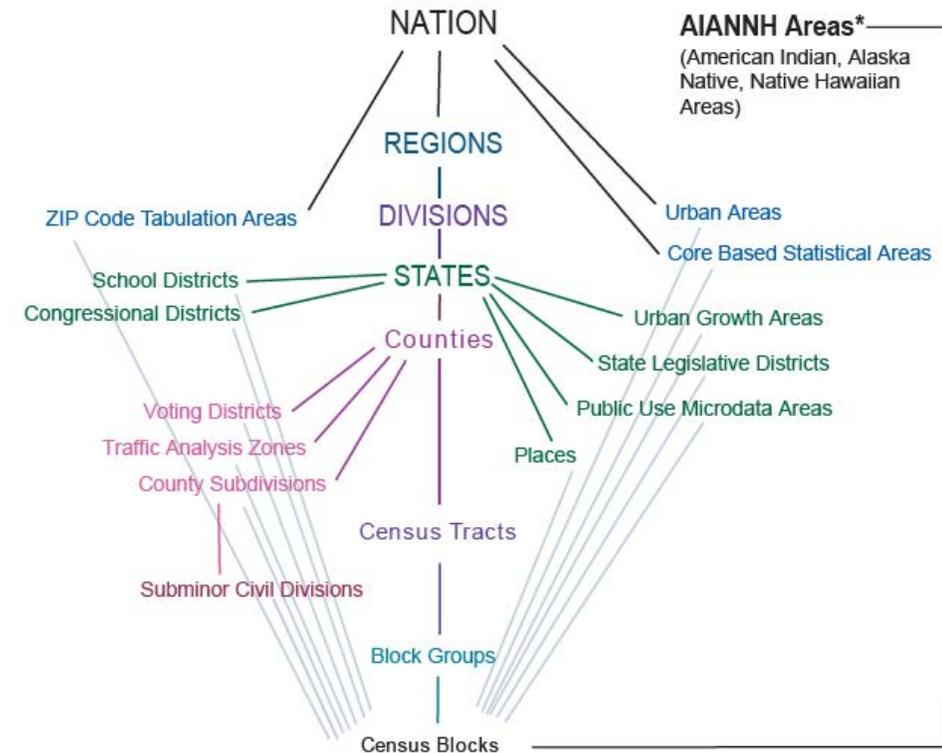


The Participant Statistical Areas Program

Overview and History of Census Geography

- Two main types of geography
 - Political
 - Statistical



Examples of Political Geography

- State
- County
- Place
- Congressional District
- School District
- Voting District



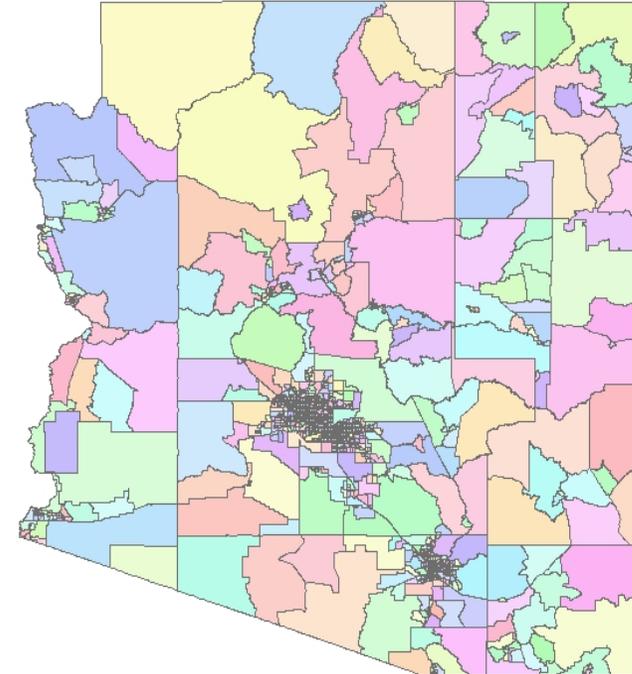
Basics of Political Geography

- Have a Highest Elected Official.
- Boundaries change at the will of the governing body.
- New geographies can be formed by a new incorporation.



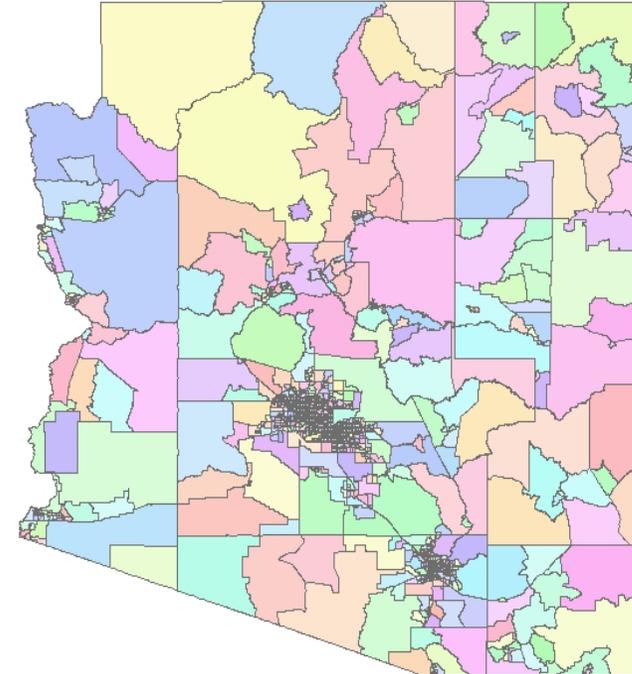
Examples of Statistical Geography

- State
- County
- Census Tract
- Census Block Group
- Census Block
- Census Designated Places (CDPs)

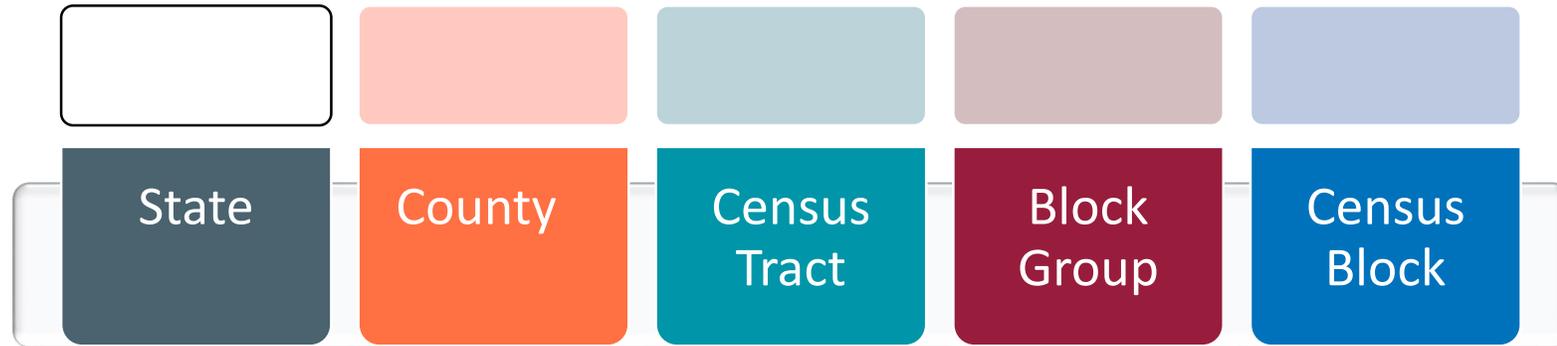


Basics of Statistical Geography

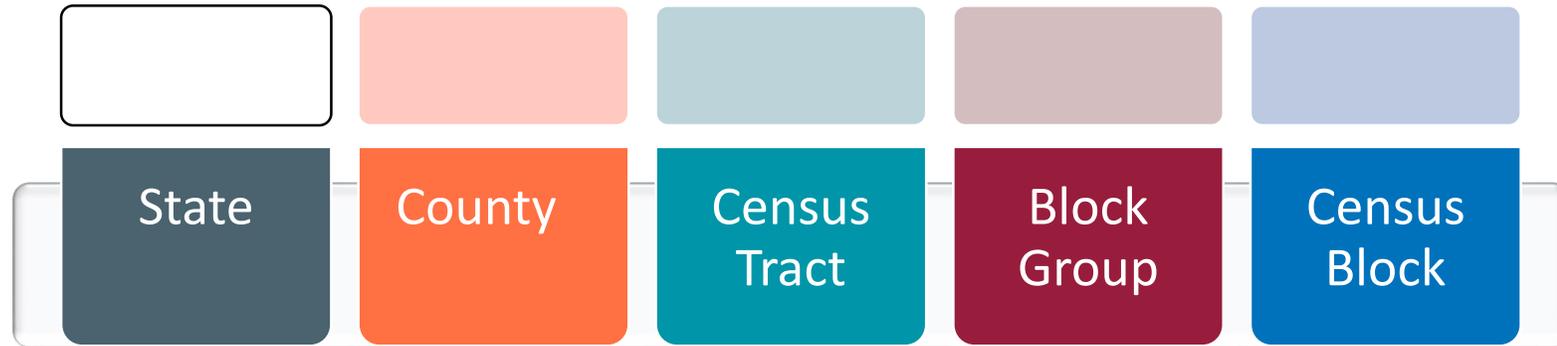
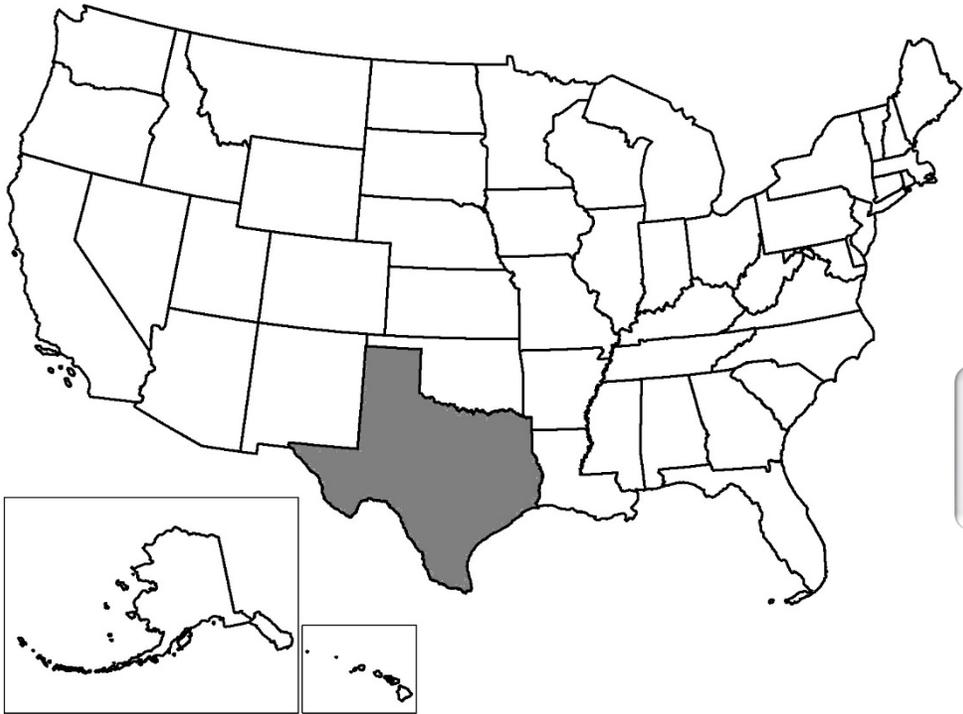
- The United States is covered in its entirety by unique statistical geography.
- There are no gaps and no overlaps.
- The U.S. Census Bureau is the geographical data steward for the U.S. Government.



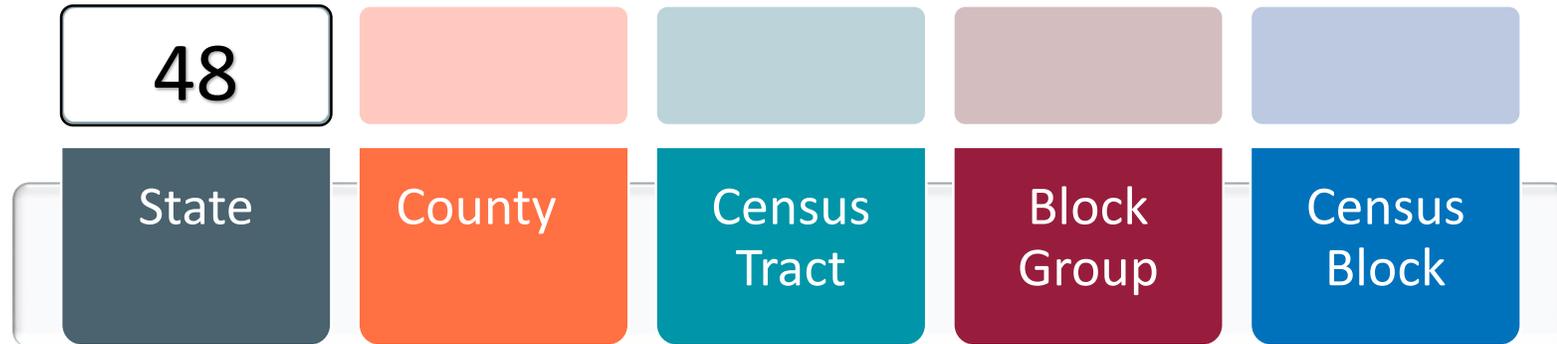
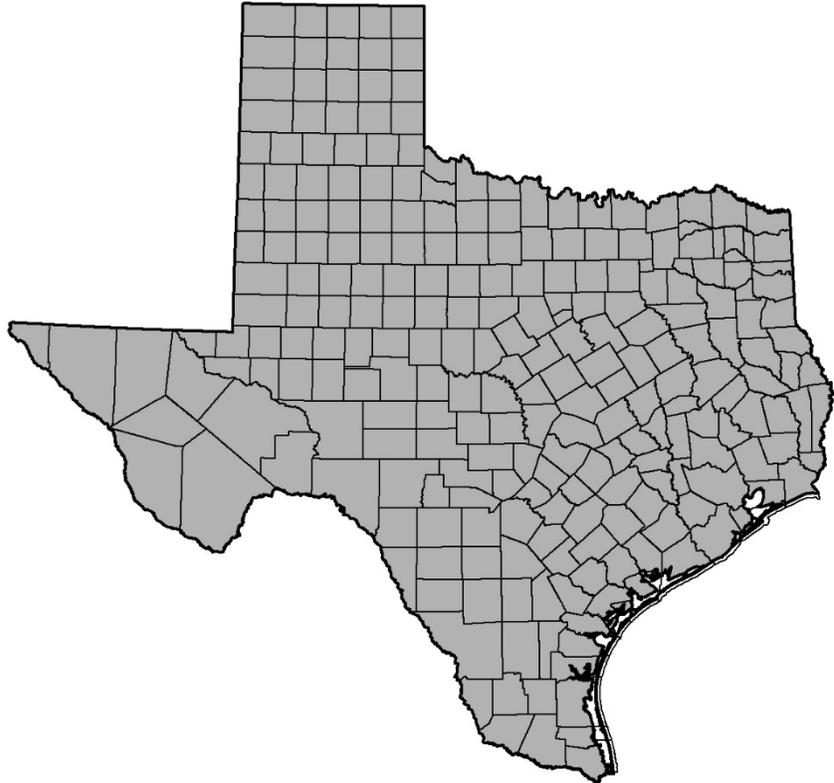
Country



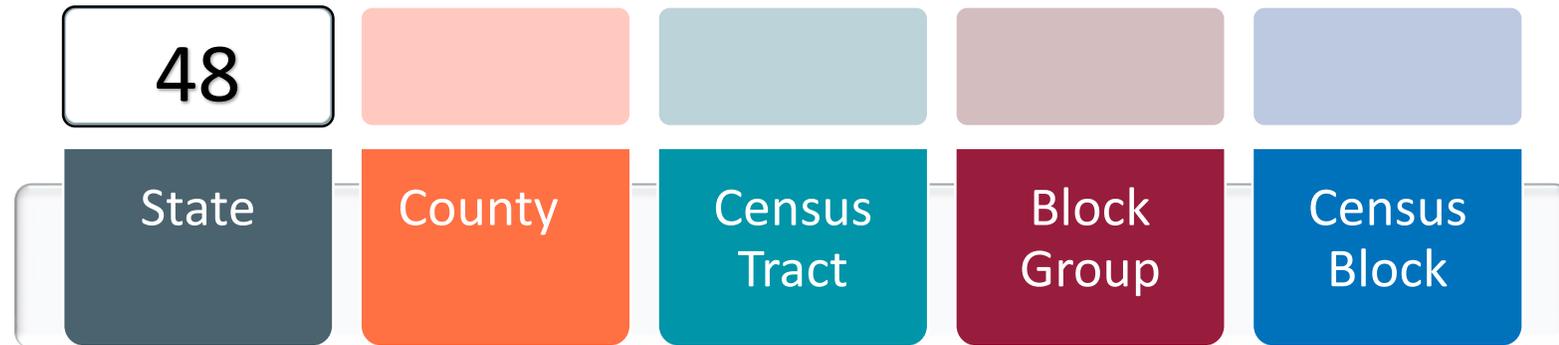
State within the Country



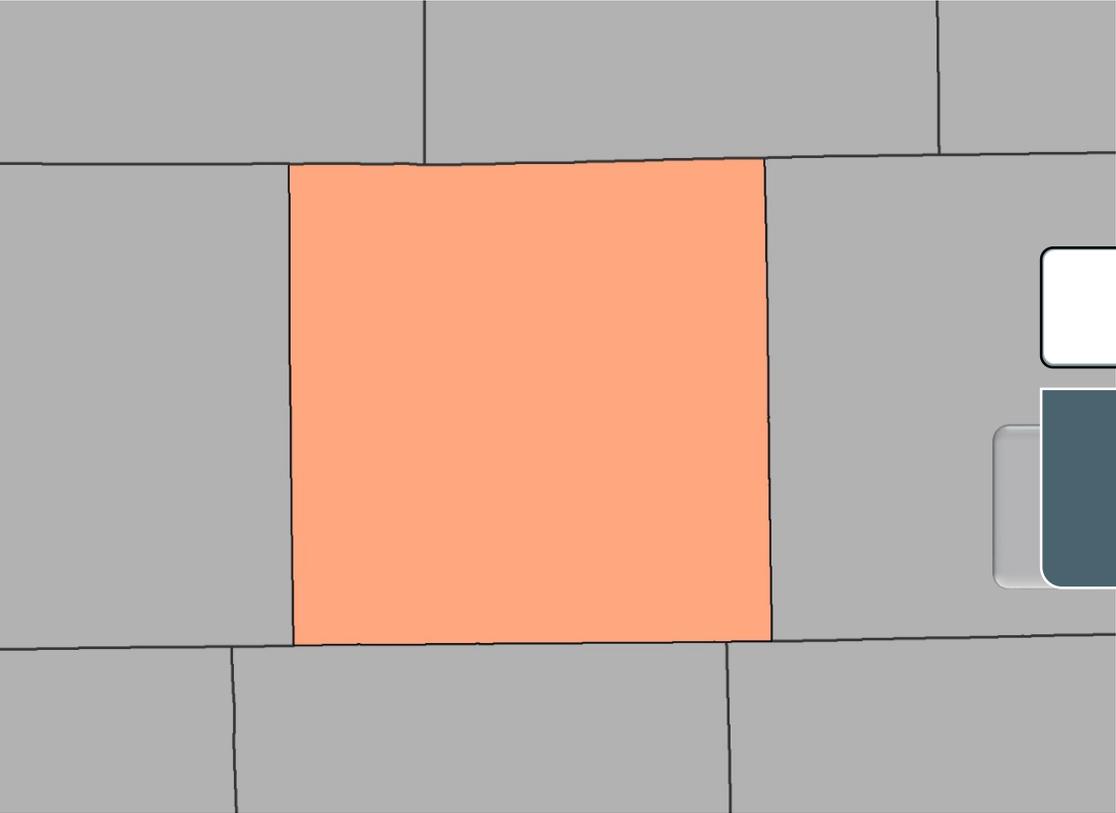
State



County within the State



County



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State

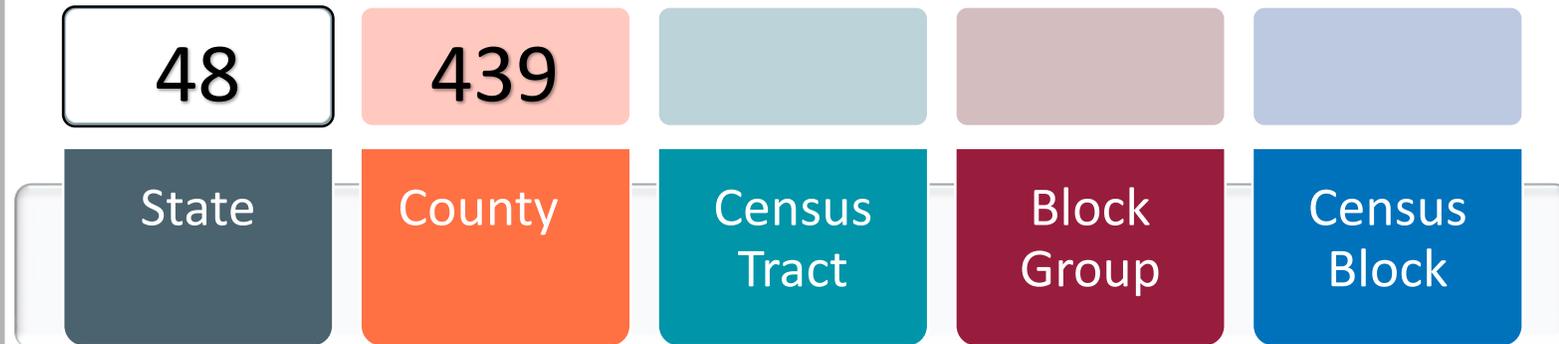
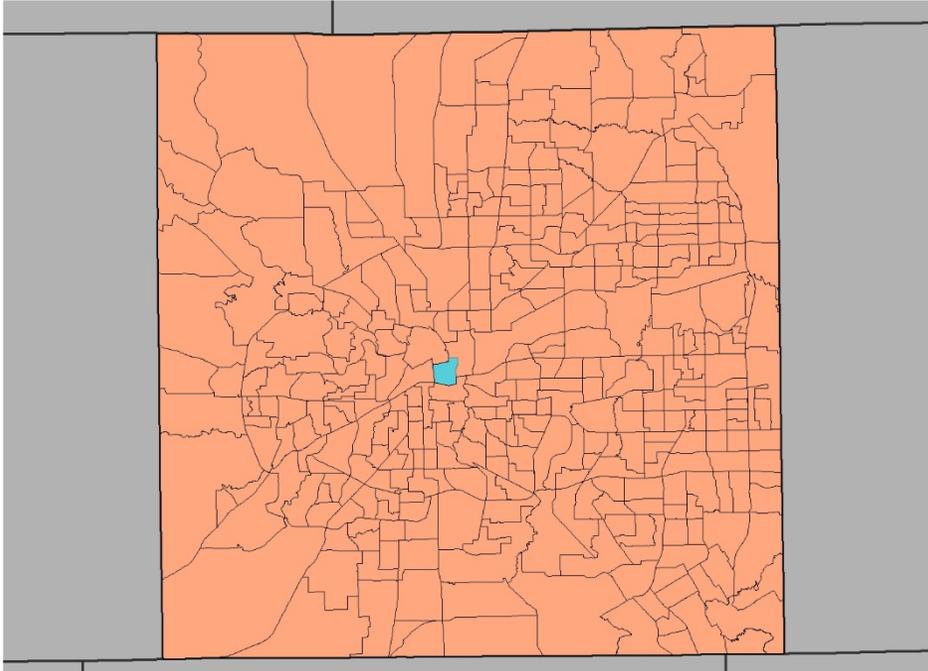
County

Census Tract

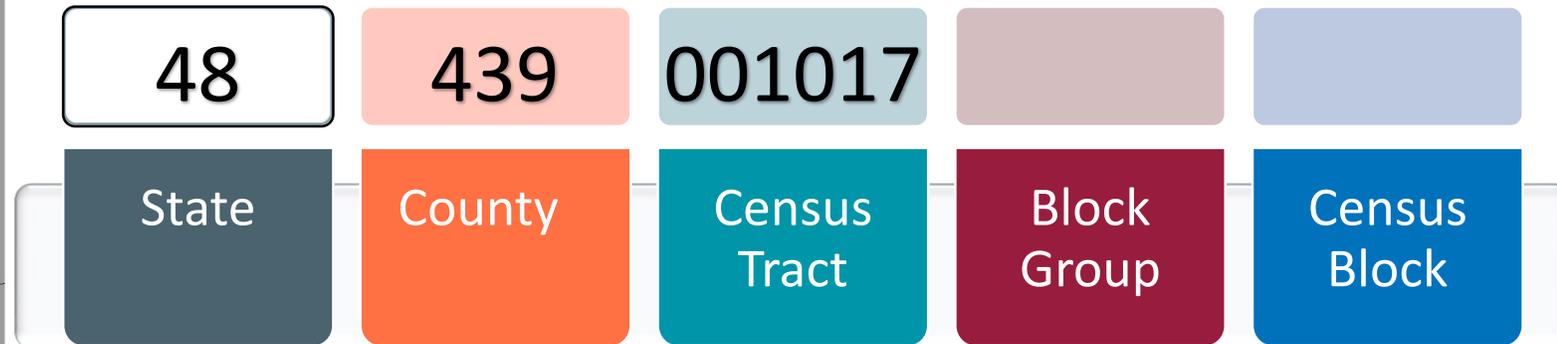
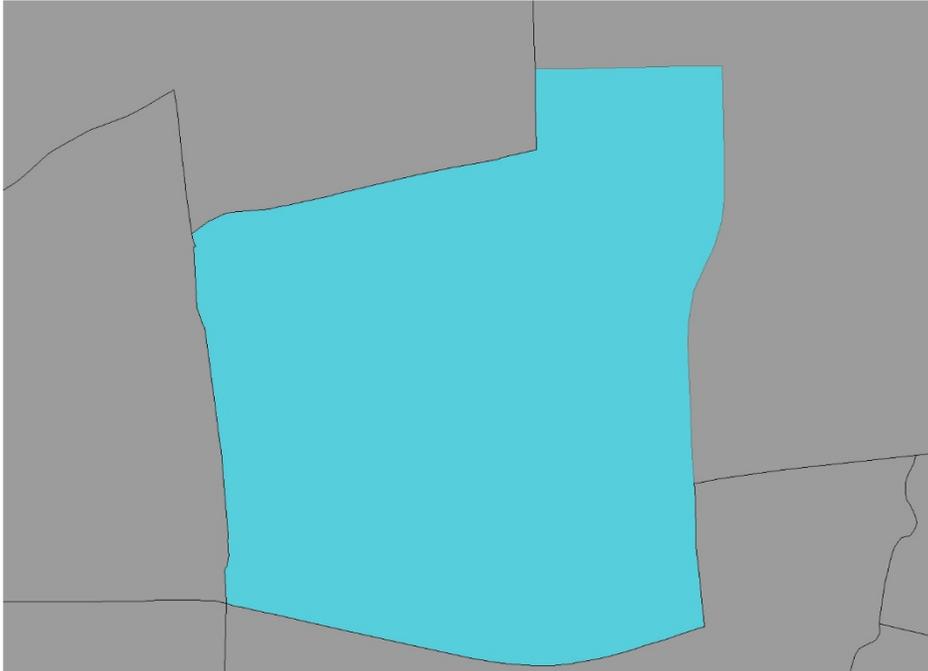
Block Group

Census Block

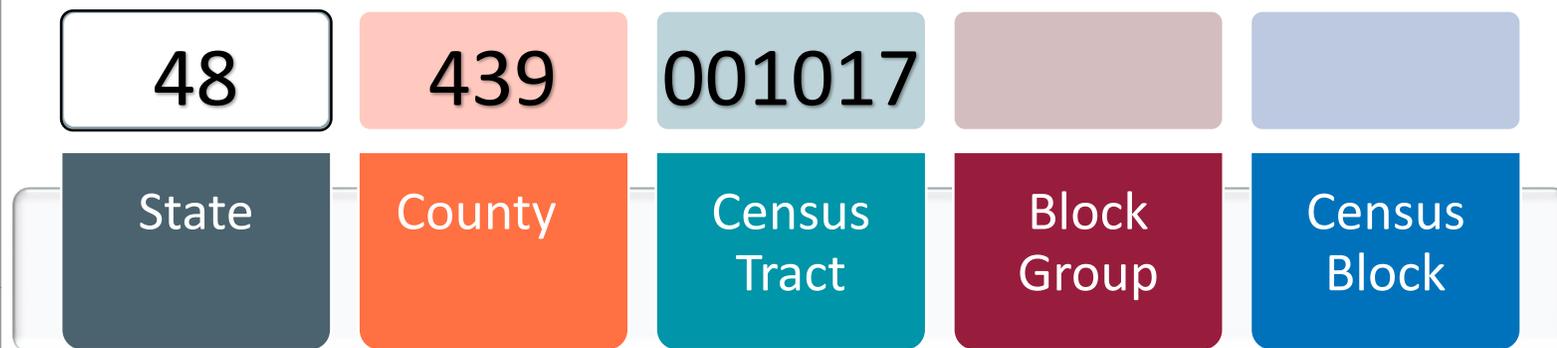
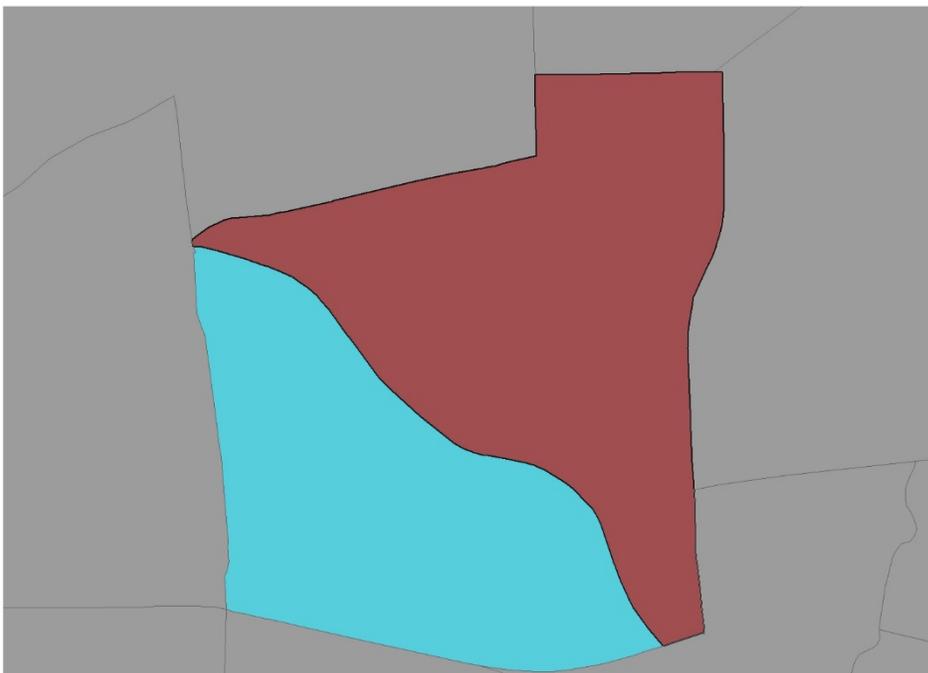
Census Tract within the County



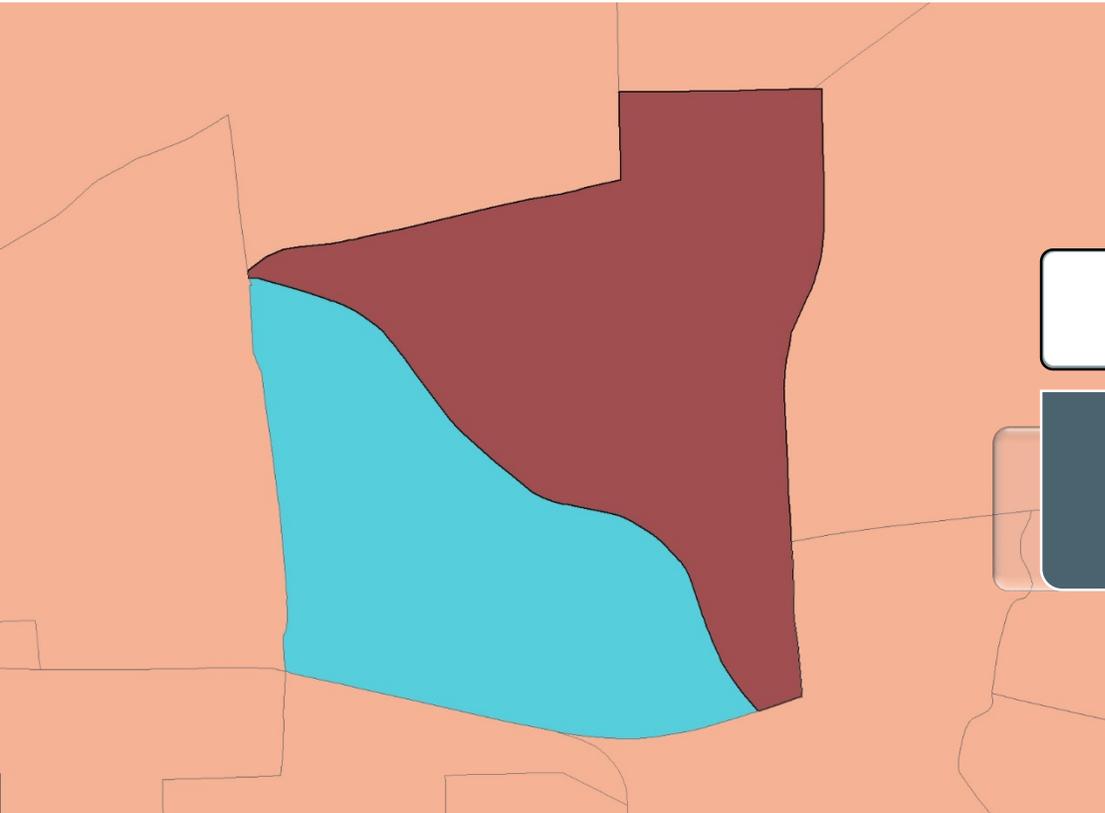
Census Tract



Block Group within the Census Tract



Block Group



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001017

2

State

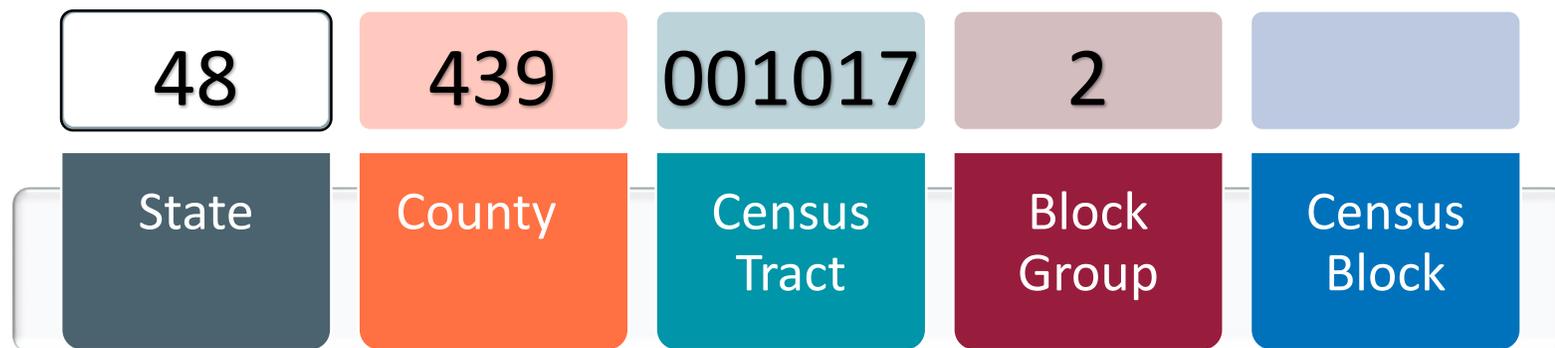
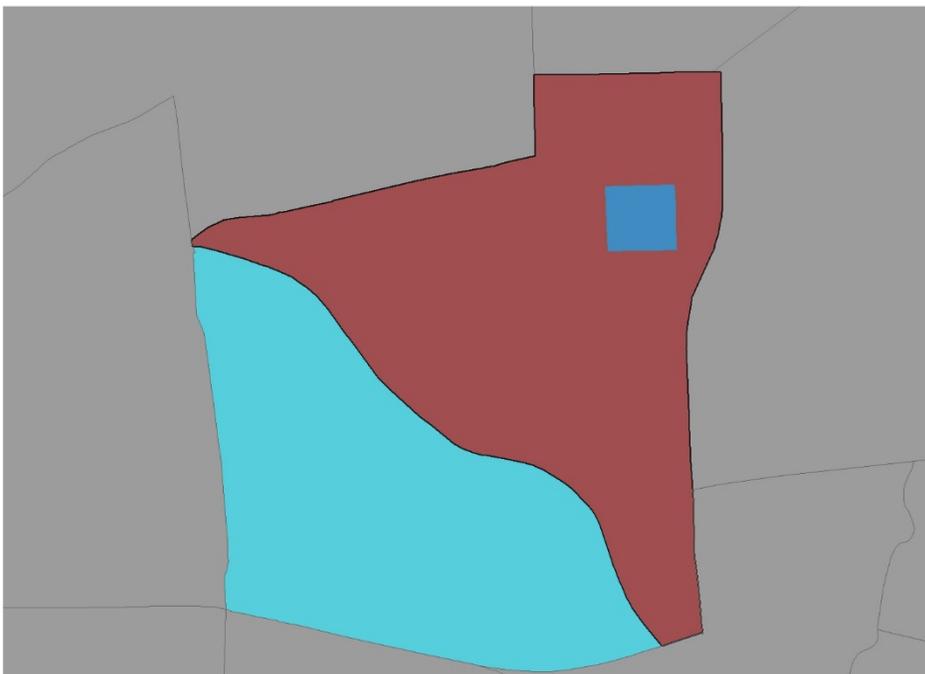
County

Census
Tract

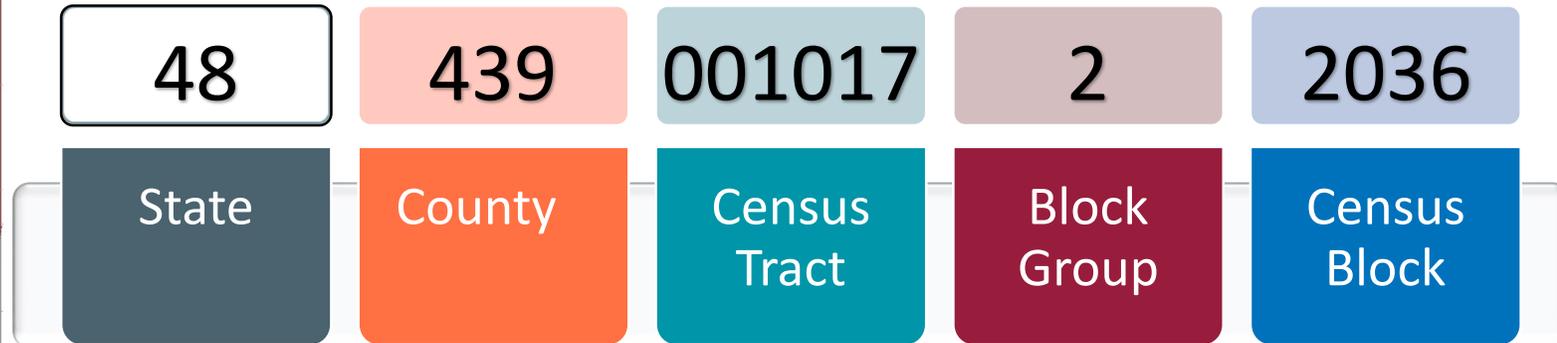
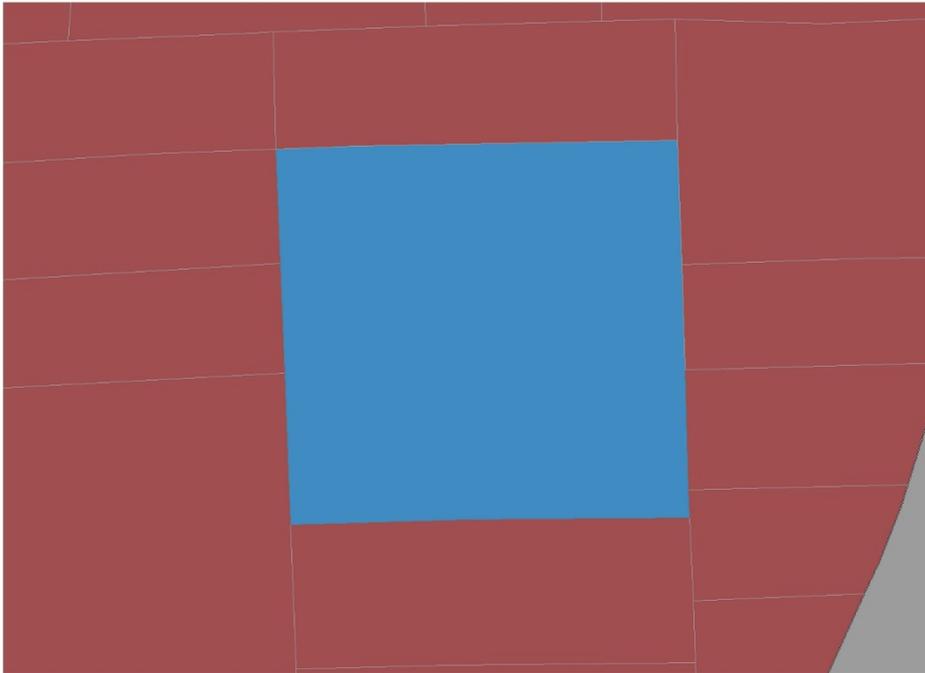
Block
Group

Census
Block

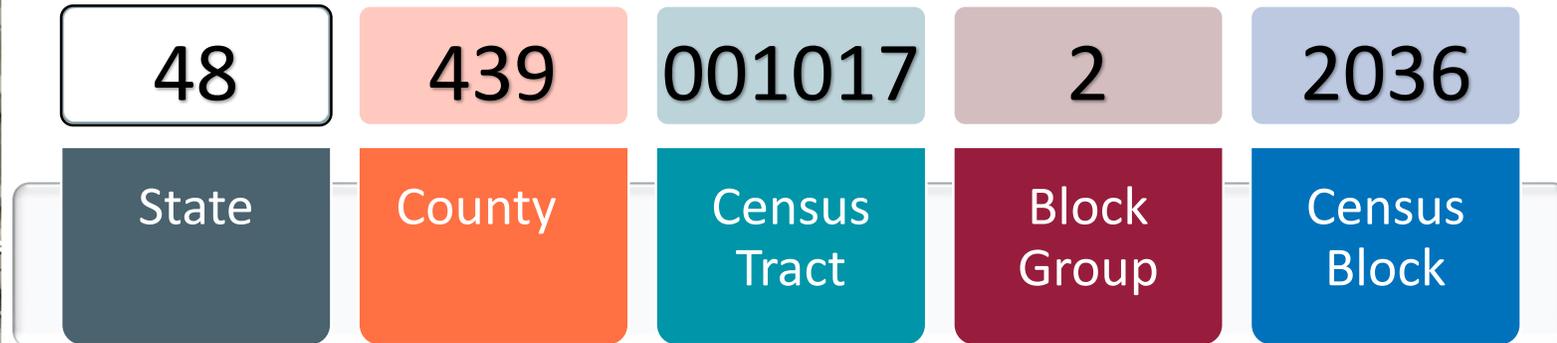
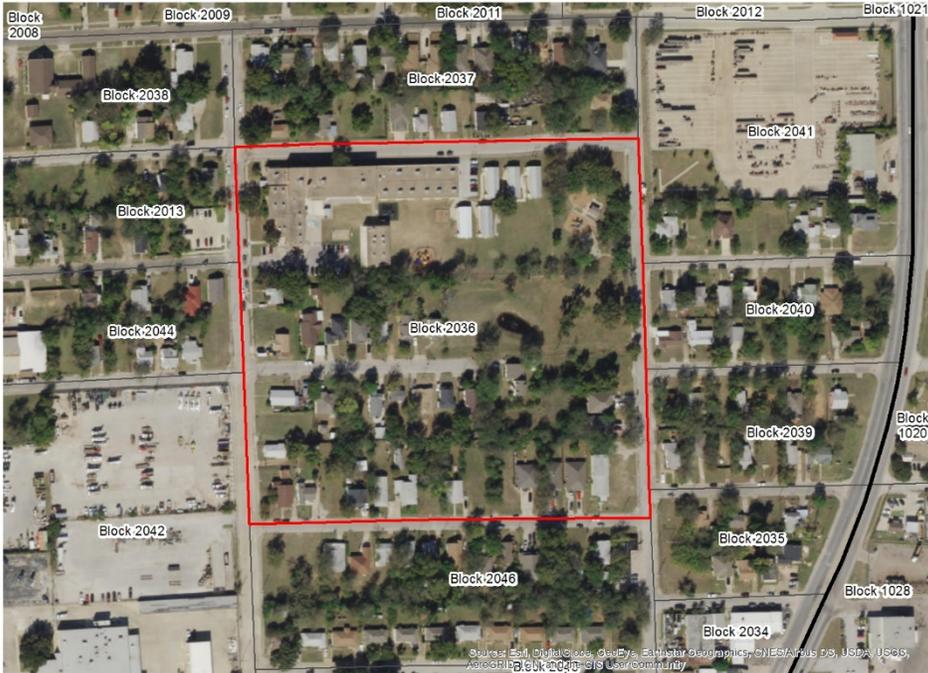
Census Block within the Block Group



Census Block



Census Block



TIGER

- Topologically Integrated Geographic Encoding Referencing

APPLICATIONS

MAP SERVICES

DATA

Incorporated Places - Current/AC					
	GEOID	STATE	PLACE	PLACENS	BASENAME
3	0100124	01	00124	02403054	Abbeville
	0100460	01	00460	02403063	Adamsville
	0100484	01	00484	02405123	Addison
	0100676	01	00676	02405125	Akron
9	0100820	01	00820	02403069	Alabaster
	0100988	01	00988	02403074	Albertville
5	0101132	01	01132	02403077	Alexander City
83	0101228	01	01228	02403080	Aliceville
	0101396	01	01396	02405136	Allgood
	0101660	01	01660	02405146	Altoona

Keeping TIGER up to Date

Partnership Programs

- Local Update of Census Addresses (LUCA)
 - Prior to each Decennial Census
 - All functioning governments- Highest Elected Official
- Streets Addresses Imagery Data (SAID)
 - Annual
 - Local GIS officials
- Boundary Annexation Survey (BAS)
 - Annual
 - All functioning governments- Highest Elected Official
- Participant Statistical Areas Program (PSAP)
 - Prior to each Decennial Census
 - Regional Planning Commission

What is the 2020 Participant Statistical Areas Program?

- Allows participants to review and update selected statistical area boundaries. These areas include:
 - Census Tracts
 - Census Block Groups
 - Census Designated Places
 - Census County Divisions
- The Census Bureau will use the updated boundaries for:
 - 2020 Census
 - American Community Survey (ACS)
 - Economic Census

Standard Statistical Geographies for PSAP

- Census Tract.
- Census Block Groups.
- Census Designated Places (CDPs).
- Census County Divisions (CCDs), in selected states.

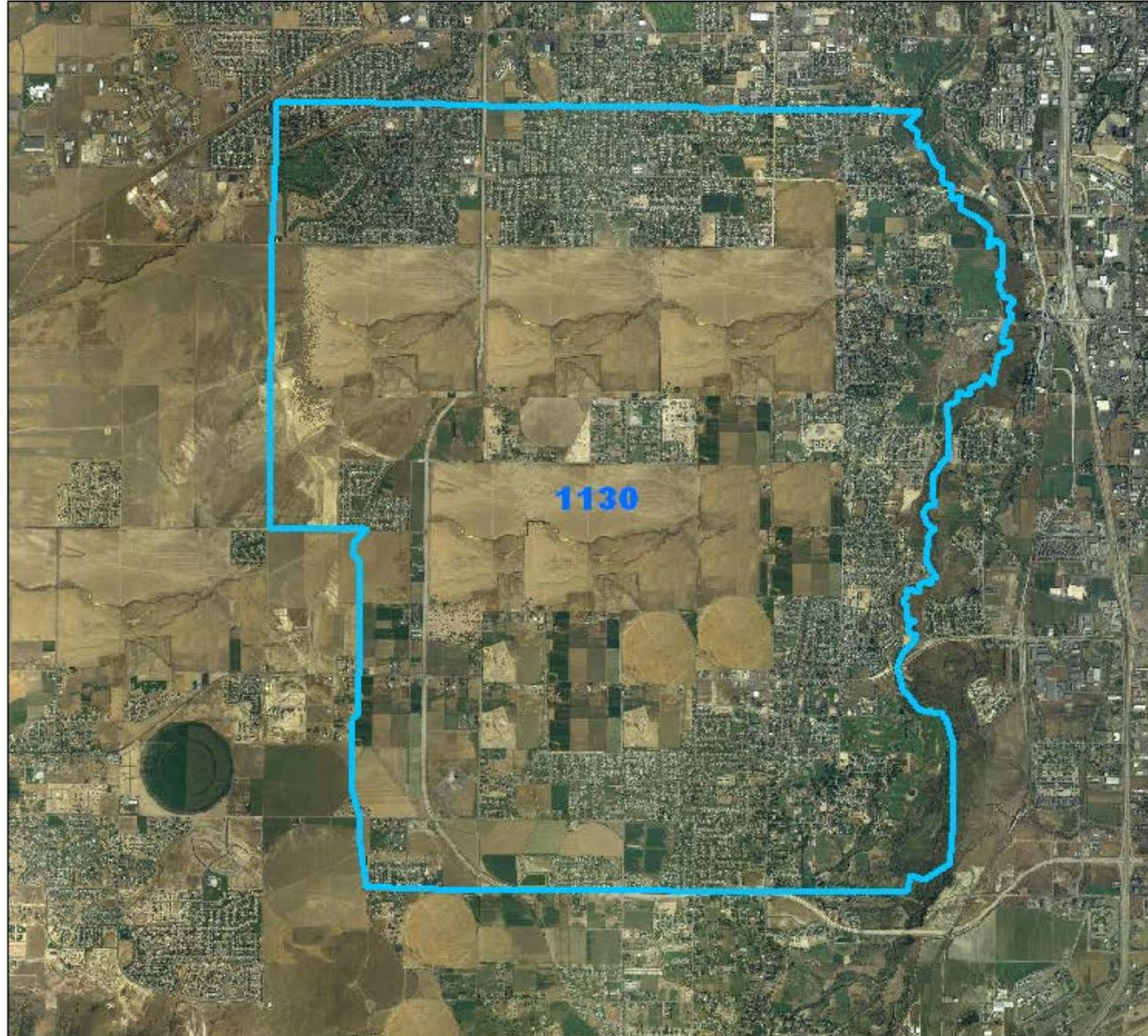
2020 PSAP Statistical Areas Criteria (Continued)

Statistical area	Primary purpose	Nationwide wall-to-wall coverage	Geography nests within	2020 Census population criteria	2020 Census housing unit criteria
Census designated places (CDPs)	Place-level statistics for well-known, closely settled named localities that are not part of an incorporated place. Mix of residential and commercial areas.	No, CDPs capture distinct communities.	State	Should have population during at least one entire season (at least 3 consecutive months) of the year.	Should have higher housing unit (or population) density than surrounding area. If less than 10 housing units, Census Bureau will ask for an explanation.

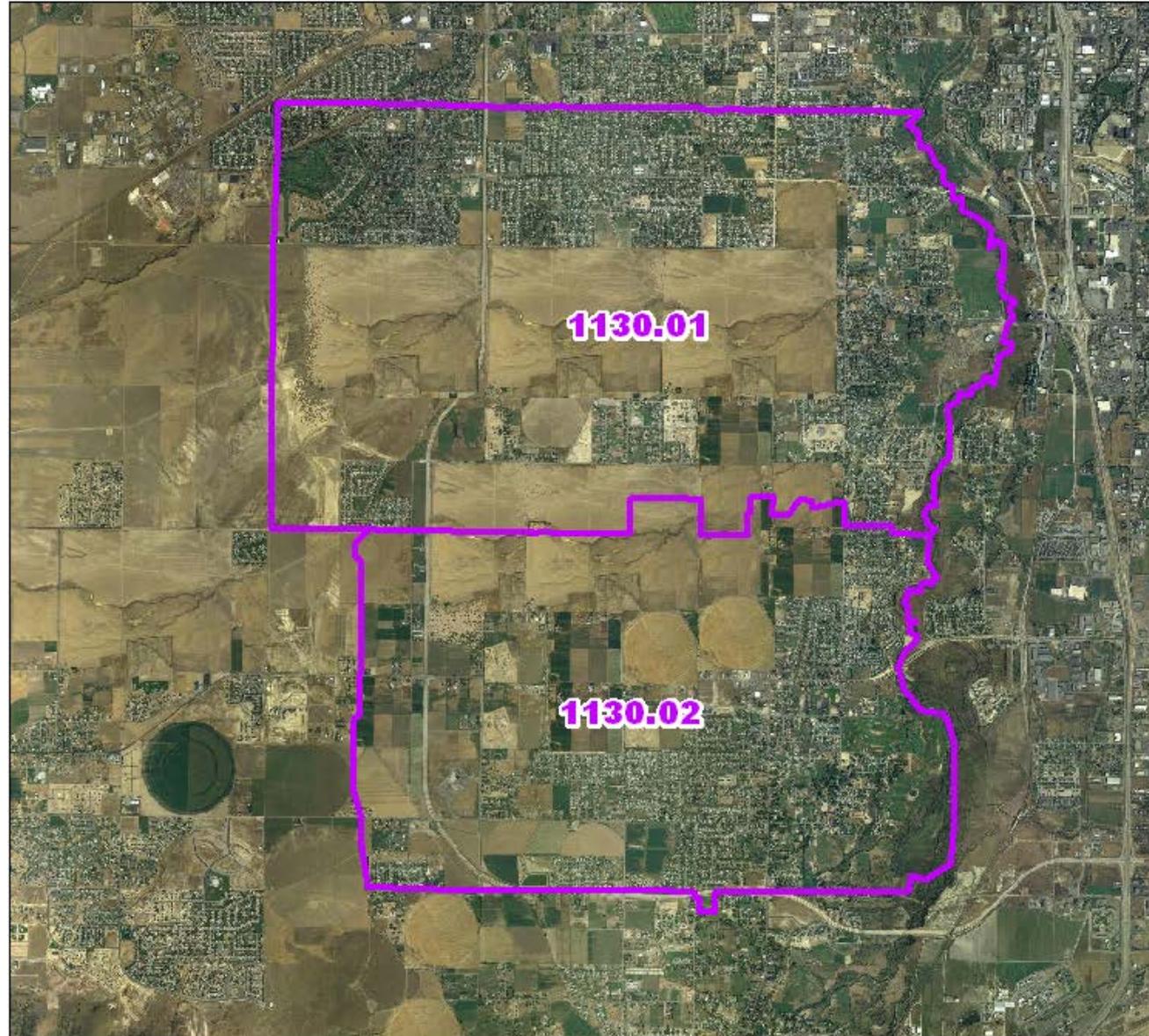
2020 PSAP Statistical Areas Criteria

Statistical area	Primary purpose	Nationwide wall-to-wall coverage	Geography nests within	2020 Census population criteria	2020 Census housing unit criteria
CENSUS TRACTS					
Standard census tract	Boundary continuity. Data comparability.	Yes	County	Optimum: 4,000 Minimum: 1,200 Maximum: 8,000	Optimum: 1,600 Minimum: 480 Maximum: 3,200
Special use	Distinguish areas of little or no population that have a specific type of land use. Large water bodies.	No	County	Population Threshold = Little/None or must be within the standard census tract threshold. Area Measurement Thresholds: <ul style="list-style-type: none"> ▪ Within Urban Area = 1 sq. mile. ▪ Outside Urban Area = 10 sq. miles. ▪ Inland water body = 100 sq. miles. ▪ Water body not coextensive with a water only census tract = none. 	

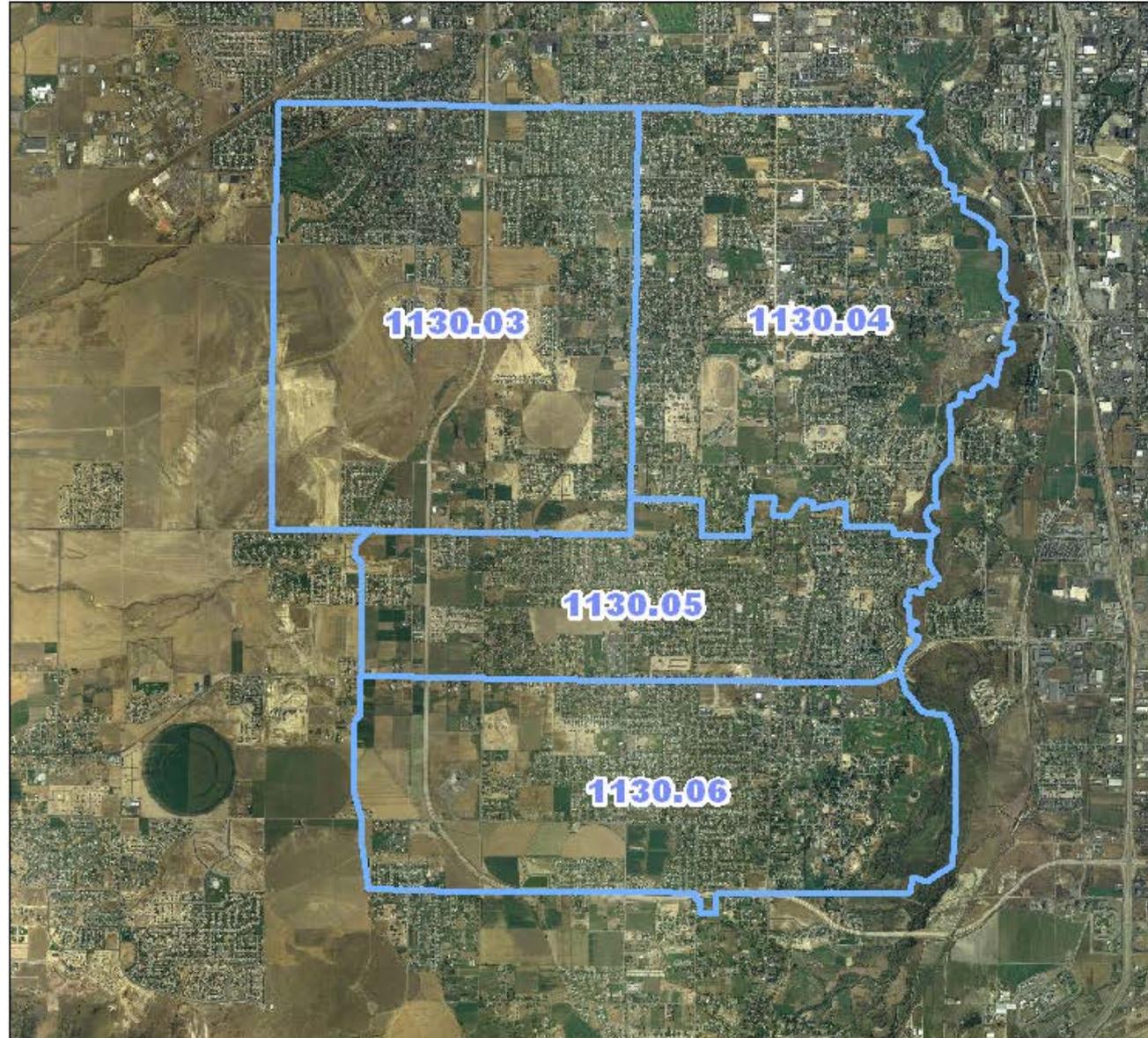
1970 Census Tracts



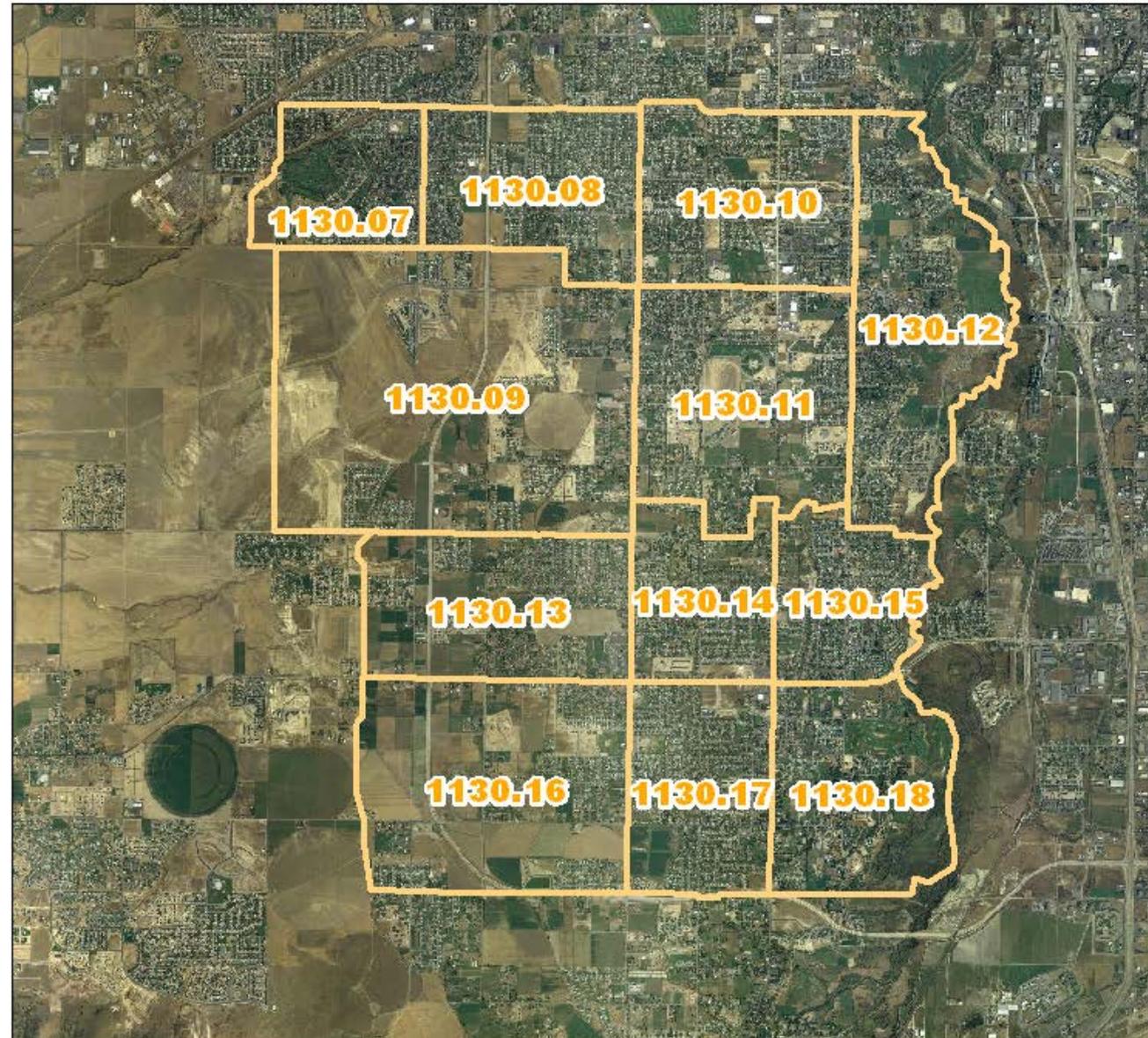
1980 Census Tracts



1990 Census Tracts



2000 Census Tracts



2020 PSAP Statistical Areas Criteria (Continued)

Statistical area	Primary purpose	Nationwide wall-to-wall coverage	Geography nests within	2020 Census population criteria	2020 Census housing unit criteria
BLOCK GROUPS					
Standard block group	<p>Form the geographic framework within which census blocks are numbered.</p> <p>Smallest area for which demographic characteristics are produced from the American Community Survey (ACS).</p>	Yes	Census Tract	<p>Minimum: 600</p> <p>Maximum: 3,000</p>	<p>Minimum: 240</p> <p>Maximum: 1,200</p>

Traffic Analysis Zones and the PSAP

- Traffic Analysis Zones (TAZ) were a special purpose geographic entity first delineated after the 1980 census by regional Metropolitan Planning Organizations (MPO) and funded by the Federal Highway Administration (FHWA).
- Supported by the American Association of State Highway and Transportation Officials (AASHTO), TAZ have been part of the Census Transportation Planning Package (CTPP) since 1990 and provided key data variables for transportation planners from the decennial census tabulations.

Traffic Analysis Zones and the PSAP (Continued)

- Transportation planning professionals use CTPP data to:
 - Evaluate existing conditions
 - Develop or update travel demand models
 - Analyze demographic and travel trends
- CTPP tabulations included three distinct geographies:
 - Residence-based tabulations summarizing worker and household characteristics
 - Workplace-based tabulations summarizing worker characteristics
 - Worker flows between home and home, including travel mode

Traffic Analysis Zones and the PSAP (Continued)

- The 1990 CTPP was the first pooled-fund program administered by AASHTO that allowed all states and MPOs' access to decennial data. The 2000 CTPP was also an AASHTO pooled-fund program.
- For 2010, TAZ delineation business rules were developed by the Census Bureau, the FHWA, and AASHTO.
- In a memo dated January of 2018, AASHTO announced the discontinuation of TAZ areas as part of the CTPP and suggested transportation planners participate in the 2020 PSAP to define relevant block group geographies.

2020 PSAP Statistical Areas Criteria (Continued)

Statistical area	Primary purpose	Nationwide wall-to-wall coverage	Geography nests within	2020 Census population criteria	2020 Census housing unit criteria
Census county divisions (CCDs)	<p>Provide data for sub-county units that have stable boundaries and recognizable names.</p> <p>Usually represents one or more communities, economic centers, or major land uses.</p>	<p>Partial—CCDs and minor civil divisions (MCDs) together provide national coverage.</p> <p>CCDs exist in 21 states.²</p>	County	None	None

Why Participate in the PSAP?

- The 2020 Census PSAP is the only opportunity to review and update statistical areas for the 2020 Census and the next Decade.
- These data are used to:
 - Prepare grant applications to fund community and regional development, education, agriculture, energy, and environmental programs, as well as other needed community improvements and enhancements.
 - Plan for future community needs.
- The next opportunity to review and delineate statistical areas is planned for the 2030 Census.

What's new for the 2020 PSAP?

- To reduce participant burden, the Census Bureau will create 2020 Census statistical area suggestions for review and update by all 2020 Census PSAP participants. Participants may:
 - Accept the Census Bureau's 2020 Census proposed statistical areas.
 - Update the 2020 Census proposed statistical areas.
 - Use the 2010 Census statistical area geography as a base to make updates.

What's new for the 2020 PSAP? (continued)

- Participants are required to use the Census Bureau's Geographic Update Partnership Software (GUPs).
 - GUPs runs in QGIS
 - GUPs contains all functionality required to make 2020 Census PSAP delineation updates.
 - GUPs executes automated checks for program criteria, and creates standardized data output files for Census Bureau processing.
 - The GUPS is available on DVD or available for download from the Census Bureau's Web site

2020 PSAP Schedule

Date	Event
March–May 2018	Contact 2010 Census PSAP participants to inquire about 2020 Census PSAP participation.
July 2018	2020 Census PSAP invitation materials sent to participants.
Fall 2018	Final criteria for standard statistical areas published.
January 2019	2020 Census PSAP delineation phase begins. Participants have 120 calendar days to submit updates.
January 2019	2020 Census PSAP Webinar trainings begin.
July 2019	2020 Census PSAP participants notified of delineation phase closeout.
January 2020	2020 Census PSAP verification phase begins. Participants have 90 calendar days to review updates.

PSAP Preparation Checklist

- Review the 2020 Census PSAP schedule.
- Identify the primary 2020 Census PSAP contact for your government or organization.
- Identify the technical 2020 Census PSAP contact for your government or organization.
- Review the 2020 Census PSAP criteria and guidelines.



PSAP Preparation Checklist (Continued)

- Seek 2020 Census PSAP stakeholder input.
- Establish a meeting schedule for stakeholders during the 2020 Census PSAP delineation phase.
- Conduct research on local housing unit and population data trends.
- Identify potential CDPs for delineation during the 2020 Census PSAP.



PSAP Preparation Checklist (Continued)

- Attend a 2020 Census PSAP Webinar training.
- Review and update 2020 Census PSAP delineation phase materials.
- Review and update 2020 Census PSAP verification phase materials.

Discussion