

RESPONSE OUTREACH AREA MAPPER (ROAM) QUICK TIPS GUIDE

WWW.CENSUS.GOV/ROAM

GENERAL APPLICATION USE

Click on a census tract to generate a pop-up window.

The pop-up indicates:

- Identifying information.
- Low Response Score.
- List of ACS 5-year estimates.

APPLICATION INTERFACE ICONS

ZOOM TOOL



Click the plus sign to zoom in. Click the minus sign to zoom out. Use the mouse wheel to zoom in/zoom out or double click to zoom in.



INITIAL MAP EXTENT



Refresh the view back to the contiguous United States. In other words, zoom out to the initial map extent.

CURRENT GPS LOCATION



Zoom the map to your current GPS Location (functionality limited based on device/device settings).

EXTENT NAVIGATION



Click the arrow pointing left to go to the previous extent. Click the arrow pointing right to go to the next extent.

CHANGE BASEMAP



Choose from various basemaps including satellite imagery and OpenStreetMap.

BOOKMARKS



Save map extents that you need to revisit. Four bookmarks already exist within the application to help navigate to Alaska, Hawaii, Puerto Rico, and the continental United States.

• CREATE A BOOKMARK

Navigate to an area of interest, click the Bookmark button, type a Bookmark Name, and click the Plus Sign.

• GO BACK TO A BOOKMARK

Click the Bookmark button and click on the desired bookmark.

• DELETE A BOOKMARK

Click the Bookmark button, click the bookmark to delete, and click "DELETE" at the bottom of the Bookmarks window.

ADD DATA



Allows you to look for other spatial datasets that already exist on the web. You can temporarily add layers to the map. They will not be saved to the map for next time. The layers you add with Add Data are visible in the Legend and Layers List.

SEARCH BOX



Use the search box to navigate to a geographic entity. The drop-down arrow on the left side of the search box allows you to search for a particular geographic entity to zoom to.

LEGEND



Defines the geographic boundaries included in the map by name and symbology as well as the Low Response Score classification scheme. The layers visible in the Legend reflect the layers currently visible on the map.

LAYERS LIST



Allows you to turn on/off spatial layers. In the screen shot below, the red arrows point to just a couple of check boxes. Clicking any check boxes in the Layers List turn on (checked) or off (unchecked) the layers. *Please note if the "ADDITIONAL LAYERS" check box is off/unchecked, any of the content nested below will also turn off.*

Layer List

Operational Layers

- Additional Layers
- Regional Census Center (RCC) Layer
- Area Census Office (ACO) Layer
- American Indian, Alaska Native, and Native Hawaiian Areas Layer
- School District Layers
- Legislative Area Layers
- ZIP Code Tabulation Area (ZCTA) Layer
- Place Layer
- Low Response Score by 2016 Census Tract

Transparency

0% 50% 100%

In the screen shot above, the blue arrows point you to the Transparency Slider Bar, which you can manipulate to make the Low Response Score thematic map darker or lighter. The Transparency Slider Bar is revealed once you click on the "... " followed by the "TRANSPARENCY" button; you can click on the slider marker as indicated and drag it to the left (darker) or right (lighter).

ABOUT



The place to find basic information about the Planning Database and the Low Response Score and how to interpret it. Also contains source information.

SHARE



Allows you to share the application with others by creating a URL to send or to post on social media. You can simply copy/paste the link generated automatically or you can click on "LINK OPTIONS" to define how the map will get shared. You can define where the map is centered so that you can share a specific area with someone else. In the Link Preview box, a URL will be generated for you to copy/paste, or you can go back to the main pane and click one of the social media icons to share your newly customized URL in that manner. You can also copy code to embed the application in another website from this pane.

DATA TABLE ACCESS



(BOTTOM CENTER OF INTERFACE) The spatial identifier information and data from the Planning Database; Can Filter/Query; Show/Hide columns.

POP-UP OVERVIEW

The screen shot below identifies the functions of the pop-up that results when you click on a census tract.

- (1 of 6)–More than one census tract is selected
- ARROW HEAD (▶)–Click to go to next census tract
- ZOOM TO–The extent of the selected census tract
- ELLIPSIS (•••)–Click to access additional pan to, add a marker, and view in attribute table

NOTE: When you click on a census tract you are not zoomed into, the application may indicate that several census tracts were selected. If you would like to click a specific census tract, zoom

in further to that area before clicking on it. This may also happen if you have several different layers of geographies turned on. Click the White Arrow Head “▶” to move through the selected features.

DATA TABLE OVERVIEW

The screen shot below identifies the functions available within the **DATA TABLE**

The screenshot shows the Data Table interface with five numbered callouts: 1. Options menu (Show Selected Records, Show Related Records, Filter, Show/Hide Columns, Export All to CSV), 2. Filter by Map Extent button, 3. Zoom to button, 4. Clear Selection button, and 5. Refresh button. The table below shows columns: STATEFP, COUNTYFP, TRACTCE, GEOID, NAMELSAD, STCOUFP, FULLNAME.

STATEFP	COUNTYFP	TRACTCE	GEOID	NAMELSAD	STCOUFP	FULLNAME
12	011	008300	20173008300	Census Tract 83	20173	Census Tract 83, Sedgwick County, KS
12	011	099508	06059099508	Census Tract 995.08	06059	Census Tract 995.08, Orange County, CA
12	011	099509	06059099509	Census Tract	06059	Census Tract

1. OPTIONS MENU

- Show Selected Records – if you have selected records, this field will be active and only show the selected records in the Data Table
- Show Related Records – not an available option; it will always be grayed out
- Filter – use this to Filter/Query the Data Table; *see Using the Data Table section for details*
- Show/Hide Columns
- Export All to CSV (.csv is a simple file format used to store tabular data)

2. FILTER BY MAP EXTENT – when clicked, as indicated by a blue rectangle around the button, the Data Table will only contain records for census tracts in view: **Filter By Map Extent**. When off (as in the screen shot above) the Data Table will include all census tract records

3. ZOOM TO – zoom to the selected census tract; can also double-click on a record in the Data Table to zoom to a given area

4. CLEAR SELECTION – deselect any selected records

5. REFRESH – click if the Data Table becomes unresponsive

VIEW FULL VARIABLE NAME

To see the full extent of a variable name in the Data Table, hover over the column division in the header of the table until your cursor becomes . At that point, you can click and drag the column to the right to reveal the full column name.

DATA DICTIONARY FOR DATA TABLE

The category of fields included in the data table are:

- Spatial Fields
- Planning Database Fields
- Federal Communications Commission (FCC) Fields

See the “**ROAM User Guide, Section 7.2,**” https://www2.census.gov/geo/pdfs/maps-data/maps/roam/ROAM_User_Guide.pdf for a description of each field category, and links to additional documentation.

USING THE DATA TABLE

FILTER

Under the Options Menu, click the “FILTER” option. Filtering allows you to limit the rows of data in the Data Table. Only features that meet your criteria will be visible in the Data Table. You can filter based on any of the columns that are available in the Data Table.

ADD A FILTER EXPRESSION

To create a simple query, use this option.

The screenshot shows the 'Add a filter expression' dialog box with the expression: STCOUNAME (String) is Broward County, Florida. Below the dialog, the Data Table shows 362 records filtered for Broward County, Florida. The columns are STATEFP, COUNTYFP, TRACTCE, and GEOID.

STATEFP	COUNTYFP	TRACTCE	GEOID
12	011	070313	1211041400
12	011	030705	1211041500
12	011	041600	1211041600

EXAMPLE: Shows 362 records where the “STCOUNAME” is “Broward County, Florida”

ADD AN EXPRESSION SET

Use this option when you would like to create multiple filters at once.

The screenshot shows the 'Add an expression set' dialog box with the expression: STCOUNAME (String) is Broward County, Florida AND Low_Response_Score is greater than 30. Below the dialog, the Data Table shows 30 records filtered for Broward County, Florida and Low_Response_Score > 30. The columns are STATEFP, COUNTYFP, TRACTCE, and GEOID.

STATEFP	COUNTYFP	TRACTCE	GEOID
12	011	041400	1211041400
12	011	041500	1211041500
12	011	041600	1211041600

EXAMPLE: Shows a return of 30 records where the “STCOUNAME” is “Broward County, Florida” and the “Low_Response_Score” is greater than “30”

DOWNLOAD

To download data from the Data Table, click the OPTIONS MENU > EXPORT ALL TO CSV. Keep in mind that “ALL” means up to 5,000 features/ census tract records:

- ALL the features currently in the Data Table, or
- ALL the selected features currently in the Data Table.

MICROSOFT EXCEL

To open the resulting .csv download in Microsoft Excel with the proper leading zeros on the STATEFP, COUNTYFP, TRACTCE, and GEOID fields, follow the steps below:

1. Open Microsoft Excel first rather than double-clicking on the .csv file.
2. File > Open
3. Navigate to the downloaded .csv file; you may have to select “ALL FILES” from the file type drop down to be able to see it; click “OPEN”
4. Make sure the “DELIMITED” radio button is chosen; click “NEXT”
5. Check the “COMMA” option from the “DELIMITERS” section; click “NEXT”
6. SHIFT+CLICK the STATEFP, COUNTYFP, TRACTCE, GEOID columns in the Data Preview so that all four fields are highlighted and then click the “TEXT” radio button; click “FINISH”
7. You now have the subset of data you downloaded from the application in a format where the leading zeros are not lost.

RESOURCES

- Refer to www.census.gov/roam for additional information.
- Questions about the Low Response Score or Planning Database can be directed to: Census.PDB.questions@census.gov