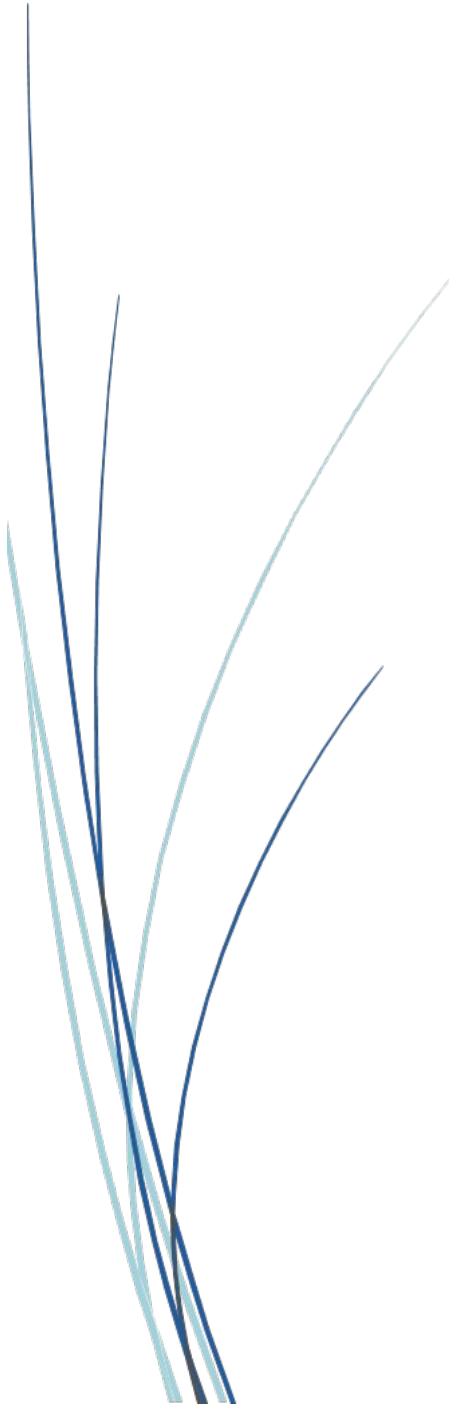


# Boundary and Annexation Survey Partnership Toolbox Pro How-to Guide

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*Instructions for Participating in the Boundary and Annexation Survey Using the Partnership  
Toolbox for ArcGIS Pro*



**Last updated January 2026**

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# INTRODUCTION

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The Boundary and Annexation Survey (BAS) provides eligible governments, which include tribal, state, and general-purpose local governments, an opportunity to review the Census Bureau's legal boundary data to confirm the Census Bureau has the correct boundary, name, and status information. BAS also allows participants to review and provide updates to census designated place (CDP) boundaries and linear features. Maintaining correct boundaries helps the Census Bureau assign appropriate housing and population counts to each government. Title 13, Section 6, United States Code authorizes this survey.

BAS fulfills the agency's responsibility as part of the National Spatial Data Infrastructure, for which the Office of Management and Budget (OMB) Circular A-16 designates the Census Bureau as the lead federal agency for maintaining national data about legal government boundaries, as well as administrative and statistical boundaries. BAS supports the geospatial data steward responsibilities of the Geospatial Data Act, the Evidence Act, OMB E-Gov, the Federal Geographic Data Committee, Data.gov, GeoPlatform.gov, the National Map, the Geographic Names Information System, and the Geospatial One-Stop.

The Census Bureau uses the boundaries collected in BAS to tabulate data for various censuses and surveys including the decennial census, American Community Survey (ACS), and Population Estimates Program (PEP). It also uses the boundaries collected through BAS to support several other programs such as Congressional and State Legislative redistricting, the Economic Census, the Geographically Updated Population Certification Program, and the Special Census program.

## A. Key Dates for BAS Respondents

- |                  |  |
|------------------|--|
| <b>January 1</b> | Legal boundary changes must be in effect on or before this date to be reported in the current survey year.   |
| <b>March 1</b>   | First BAS deadline – Legal boundary changes returned by this date will be shown in the ACS and PEP data and in next year's BAS materials.  |
| <b>May 31</b>    | Final BAS deadline – Legal boundary changes returned by this date will be shown in next year's BAS materials. If time permits, boundary corrections returned by this date may also be shown. |

## B. Adjacencies and Legal Disputes

The Census Bureau will not make any boundary change that affects adjacent legal governments without the appropriate documentation. Review any changes that affect adjacent governments to determine if they are intentional legal changes. If the Census Bureau discovers that an area of land is in dispute between two or more jurisdictions, the Census Bureau will not make any changes until the parties come to a written agreement, or there is a documented final court decision regarding the dispute. To learn more, contact the Census Bureau Legal Office at **1-301-763-2918**.

For disputes involving tribal areas, the Census Bureau must defer to the Office of the Solicitor at the Department of the Interior for a legal opinion. Often complicated land issues require an extended period for resolution, and in those cases, the Census Bureau will retain the current boundary until a legal opinion is issued by the Solicitor's office.

## **C. Contact Us**

For assistance in preparing the BAS submission or if issues arise with the BAS Partnership Toolbox, contact the Census Bureau at <[geo.bas@census.gov](mailto:geo.bas@census.gov)> or **1-800-972-5651**. When emailing <[geo.bas@census.gov](mailto:geo.bas@census.gov)>, include the following details:

- GOVID and Government Name.
- Geography type.
- Contact information.
- Version of ArcGIS Pro in use.
- Full text of the error message received as a screenshot or text (if applicable).
- Screenshots of discrepancies (if applicable).

## **D. Resources**

Additional resources include a technical guide and videos that demonstrate the BAS submission process. For background on Census Bureau geography and technical details regarding the BAS submission, change types, and shapefiles, see the BAS Technical Guide at:

<[www.census.gov/programs-surveys/bas/information/respondent-guides.html](http://www.census.gov/programs-surveys/bas/information/respondent-guides.html)>. Videos of recorded demonstrations and informational sessions are available on the BAS website at: <[www.census.gov/programs-surveys/bas/library/bas-videos.html](http://www.census.gov/programs-surveys/bas/library/bas-videos.html)>.



# CHAPTER 1 GETTING STARTED WITH THE PARTNERSHIP TOOLBOX

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The BAS Partnership Toolbox was created to ease the burden of creating a BAS submission on BAS and Tribal BAS participants. This toolbox simplifies the update process by automating the download of data, change creation, sliver removal, attribution formatting and checks, and exporting files for submission. This allows the Census Bureau to easily process returned BAS files. This how-to guide will walk participants through all the above steps to create their digital submission in ArcGIS Pro.

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**Note:** To standardize experiences across the Census Bureau's Geographic Partnership Programs, your **BAS ID** is now your **GOVID**. This unique geographic identifier will help us keep track of program participation and proper contact information. The ID itself has not changed from last year.

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## 1.1 Submission Requirements

Participation in BAS means that participants will provide the following to the Census Bureau:

1. A shapefile of boundary change polygons based off the current Census Bureau boundary. Submissions containing only a whole entity boundary shapefile of the current local data will not be accepted.
2. Legal documentation numbers, authorization types, and effective dates for all legal boundary changes (annexations and deannexations).
3. For tribal submissions, digital copies of the legal documentation for each requested change polygon. Acceptable documents include but are not limited to a *Federal Register* Notice, acceptance of conveyance and warranty deed, title status report, BIA certification or letter.
4. Current information for the BAS point of contact, the person updating the shapefiles, and the highest elected official (HEO) or tribal chair (TC) for the government.

## 1.2 Partnership Toolbox Requirements

Before running these tools, users will need the following:

- **ArcGIS Pro 3.0** or higher (not ArcGIS Desktop).
- The **BAS\_Partnership\_Toolbox\_Pro.zip**, which can be downloaded from the Census Bureau website at:  
<[www.census.gov/programs-surveys/bas/geographies/map-tools/arcmap-tools.html](http://www.census.gov/programs-surveys/bas/geographies/map-tools/arcmap-tools.html)>.
- The **GOVID** for the government being processed. This can be found on the BAS Annual Response email or online at:  
<[www.census.gov/programs-surveys/bas/technical-documentation/code-lists.html](http://www.census.gov/programs-surveys/bas/technical-documentation/code-lists.html)>.
- **A shapefile or feature class showing the legal boundary of the government.**
- o Data in this layer must include the name of the government being processed formatted to agree with the Census Bureau's naming convention for the same government as found in the NAME field or the NAMELSAD field. For minor civil division (MCD) and American Indian / Alaska Native / Native Hawaiian (AIANNH) changes, only the NAMELSAD field should be used.
- **Digital copies of the legal documentation** to be submitted with the change polygons. This is required for tribal submissions and requested for all other submissions.

- o For tribal changes: acceptable documents include, but are not limited to, a *Federal Register* Notice, acceptance of conveyance and warranty deed, title status report, or BIA certification or letter.
- o For all other changes (optional): acceptable documents include, but are not limited to, ordinances, resolutions, changes to a local or state law, or court rulings.
- **(Optional) The BAS Partnership Shapefiles**, which can be downloaded from the Census Bureau's [Partnership Shapefiles webpage](#). Be certain to select the version used for BAS (v2) and not the other versions that may appear on the page.
- o The shapefile download is automated in the Partnership Toolbox, but in instances where downloads are restricted or internet connectivity is limited, participants may find that pre-downloading these files is simpler and faster.

### 1.3 New Incorporations and Disincorporations

Newly incorporated governments are not required to use the toolbox to submit their new government information. However, to properly reflect the change, the Census Bureau requires the following information:

1. A copy of the official new incorporation papers, including date of incorporation.
2. A map indicating the boundaries of the new incorporation.
3. Contact information for the highest elected official and a contact for BAS.

Disincorporated governments should provide the Census Bureau with a copy of the official papers of disincorporation, including the effective date.

Submissions can be provided in a zip file through SWIM as described in [Chapter 5](#), or by emailing copies of the documents to [geo.bas@census.gov](mailto:geo.bas@census.gov).

## CHAPTER 2 CREATING A SUBMISSION

This chapter provides step-by-step instructions for using the BAS Partnership Toolbox to set up the workspace and create change polygons. For best results, use the toolbox in ArcGIS Pro 3.0 or higher. This toolbox will not work in ArcGIS Desktop.

### 2.1 Toolbox Tools Set Up

After downloading the toolbox from the BAS website, locate the zip file in File Explorer.

4. Unzip the **BAS\_Partnership\_Toolbox\_Pro.zip** to the C: drive or other preferred working folder. The folder location does not matter if it can be accessed from ArcGIS Pro and is not a cloud location. Inside there will be a folder called DBAS, containing all the necessary files to start a submission.
  - a. Do not attempt to change the file structure inside the DBAS folder. Moving folders or files from where they are located may cause issues later in the process.
5. Open ArcGIS Pro and select a new **Map** under the **Blank Templates** section of the splash screen. In the **Name** field, enter the GOVID for the entity. In the **Location** field, navigate to, and select the "...\\DBAS\\projects" folders. Select the box to **Create a new folder for this project** if it is not already selected. (Figure 1).

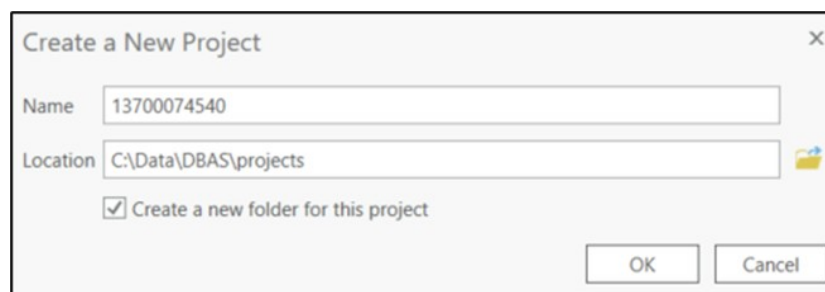


Figure 1: Creating an ArcGIS Pro Project

6. Once the new project opens, navigate to the **Insert** tab, select the **Toolbox** dropdown, then **Add Toolbox**. Navigate to the "...\\DBAS\\setup" folder and select the **Partnership BAS Tools** toolbox.
7. At this point, expand the **Toolboxes** folder in the **Catalog** pane and expand the **Partnership BAS Tools Pro** toolbox. Four tools should appear as shown in Figure 2.

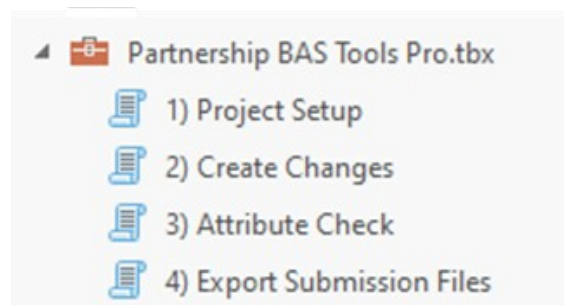


Figure 2: Partnership BAS Tools Pro Toolbox Expanded Showing Four Tools

## 2.2 Prepare Local Data

Before any change creation work can be done, the local boundary shapefile must contain an attribute field with the name of the government or governments as they appear in Census Bureau records ([Figure 3](#) and [Figure 4](#)). This includes matching capitalization, spacing, and in the case of MCDs and AIAs a descriptor of the geography (e.g., township, village, borough, etc.). If it is a new government or the legal name is changing, it does not need to agree though other attribution must be updated to reflect this change. Refer to [Table 1](#) to see which feature class and field to use for each geography type.

Figure 3 shows two side-by-side data tables. The left table, titled 'CityLimits\_065', has columns: FID \*, ALPHA, new\_name, and Shape\_Length. The right table, titled 'bas\_place', has columns: OBJE, NAME, STATEFP, COUNTYFP, and PLACEFP. Both tables list the same nine locations: Conetoe, Leggett, Macclesfield, Pinetops, Princeville, Rocky Mount, Sharpsburg, Speed, and Tarboro. The 'new\_name' and 'NAME' fields are highlighted with red boxes to show they contain identical text for each location.

FID *	ALPHA	new_name	Shape_Length
1	CONETOE	Conetoe	18798.2833
2	LEGGETT	Leggett	16515.9215
3	MACCLESFIELD	Macclesfield	16245.4801
4	PINETOPS	Pinetops	24335.0347
5	PRINCEVILLE	Princeville	51156.4595
6	ROCKY MOUNT	Rocky Mount	536948.7804
7	SHARPSBURG	Sharpsburg	38595.9219
8	SPEED	Speed	13134.1835
9	TARBORO	Tarboro	174112.0822

OBJE	NAME	STATEFP	COUNTYFP	PLACEFP
7	Conetoe	37	065	14200
8	Leggett	37	065	37640
3	Macclesfield	37	065	39960
5	Pinetops	37	065	52140
9	Princeville	37	065	53840
4	Rocky Mount	37	065	57500
1	Sharpsburg	37	065	61060
6	Speed	37	065	63720
10	Tarboro	37	065	66700

**Figure 3: NAME Field in the Census Data vs Local Boundary Data**

The bas\_place layer on the right shows how the Census Bureau NAME field is populated for all the places in Edgecombe County, NC while the local places data on the left shows how local data may need to be manipulated to agree with the Census Bureau NAME field.

Figure 4 shows two side-by-side data tables. The left table, titled 'muniboundary', has columns: FID, Shape \*, OBJECTID\_1, OBJECTID, MUNICIPAL, and MCN\_CODE. The right table, titled 'bas\_cousub', has columns: Shape \*, STATEFP, COUNTYFP, COUSUBFP, NAME\_SAD, COUSUBS, and L1. Both tables list the same 11 locations: Adams township, Allegheny township, Brady township, Buffalo township, Butler township, Center township, Cherry township, Clay township, Clearfield township, Clinton township, and Apollo borough. The 'MUNICIPALI' and 'NAME\_SAD' fields are highlighted with red boxes to show they contain identical text for each location.

FID	Shape *	OBJECTID_1	OBJECTID	MUNICIPALI	MCN_CODE
28	Polygon	0	42	Adams township	010
3	Polygon	0	7	Allegheny township	020
9	Polygon	0	16	Brady township	030
31	Polygon	0	50	Buffalo township	040
20	Polygon	0	34	Butler township	050
15	Polygon	0	23	Center township	060
6	Polygon	0	11	Cherry township	070
10	Polygon	0	10	Clay township	080
22	Polygon	0	30	Clearfield township	090
30	Polygon	0	54	Clinton township	100

Shape *	STATEFP	COUNTYFP	COUSUBFP	NAME_SAD	COUSUBS	L1
Polygon	42	019	00300	Adams township	1216040	44
Polygon	42	003	00724	Aleppo township	1215797	44
Polygon	42	007	00620	Alquippa city	1214861	25
Polygon	42	121	00684	Allegheny township	1217138	44
Polygon	42	019	00660	Allegheny township	1216041	44
Polygon	42	007	02208	Ambridge borough	1214862	21
Polygon	42	005	02720	Apollo borough	1214844	21
Polygon	42	005	02752	Appelwold borough	1214845	21
Polygon	42	031	03248	Ashland township	1216200	44
Polygon	42	003	03320	Aspinwall borough	1214763	21

**Figure 4: Appropriate Attribution for MCD or AIANNH Changes**

The bas\_cousub attribution on the right in the NAME\_SAD field shows how the local MUNICIPAL field on the left should be formatted to ensure that the Create Changes tool works for the MCD changes in Butler County, PA. The bas\_aial attribution appears in a similar way.

**Table 1: Feature Class Field Names Based on Geography Type**

GEOGRAPHY TYPE	FEATURE CLASS	FIELD
Incorporated Place	bas_place	NAME
County Subdivision (MCD)	bas_cousub	NAMELSAD
County	bas_county	NAME
Tribal	bas_aial	NAMELSAD

### 2.2.1 Tribal Data

The NAMELSAD field (Name and Legal/Statistical Area Description) is used to identify American Indian Areas in a standardized format. For Tribal BAS submissions, the value of NAMELSAD must match the reservation or trust land classification, which is indicated by the COMPTYPE attribute.

Each AIA type must use a properly formatted NAMELSAD value depending on whether the area is a reservation or off-reservation trust land.

The COMPTYPE field in your shapefile indicates the classification of the land feature. This value determines the correct formatting for the NAMELSAD field. Use [Table 2](#) to ensure that each feature has the correct NAMELSAD value based on its COMPTYPE.

**Table 2: COMPTYPE Codes and NAMELSAD**

COMPTYPE	Description	NAMELSAD Formatting Based on COMPTYPE
R	Reservation	[NAME] Reservation
T	Off-Reservation Trust Land	[NAME] Off-Reservation Trust Land

Examples:

- If the COMPTYPE is R and the NAME is San Pasqual, the NAMELSAD is San Pasqual Reservation
- If the COMPTYPE is T and the NAME is San Pasqual, the NAMELSAD is San Pasqual Off-Reservation Trust Land

## 2.3 Project Setup Tool

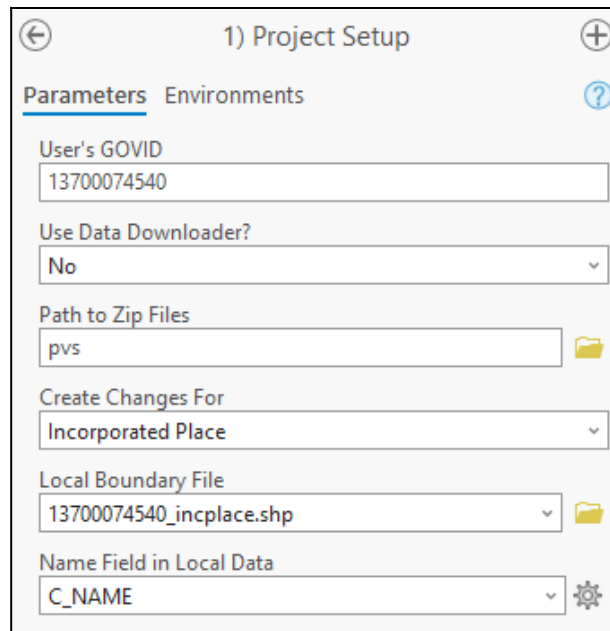
The Project Setup tool gathers all the BAS partnership shapefile data needed to create changes from the Census Bureau website, creates an initial change file, and formats the map within the ArcGIS Pro project (.aprx) for the given BAS ID. Before using this tool, review sections [2.3.1](#) through [2.3.2](#) for additional guidance.

### 2.3.1 Offline Use

There are two ways to use this tool. One that downloads the data from the Census Bureau for the user (i.e., Data Downloader) and one that ingests a folder with the Census Bureau data

already downloaded. If the data is already downloaded, unzip the downloaded pvs batch zip file (e.g., pvs\_batch\_from\_<st>) to display the partnership shapefiles zip files (e.g., partnership\_shapefiles\_25v2\_<st> and partnership\_shapefiles\_25v2\_<stcou>). The Project Setup tool looks for these two partnership\_shapefiles zip files when it runs.

To use previously downloaded Census Bureau data, select “No” under the **Use Data Downloader?** field and navigate or drag the folder into **Path to Zip Files** field as shown in [Figure 5](#). Make sure the folder only contains the Census Bureau zip files to ensure there are no future data issues.

The image is a screenshot of a software window titled "1) Project Setup". It has a tabbed interface with "Parameters" selected and "Environments" as an option. A help icon (?) is in the top right. The form contains several fields: "User's GOVID" with the value "13700074540"; "Use Data Downloader?" with a dropdown menu set to "No"; "Path to Zip Files" with a text box containing "pvs" and a folder icon; "Create Changes For" with a dropdown menu set to "Incorporated Place"; "Local Boundary File" with a dropdown menu showing "13700074540\_incplace.shp" and a folder icon; and "Name Field in Local Data" with a dropdown menu showing "C\_NAME" and a settings icon.

**Figure 5: Project Setup Window for Previously Downloaded Census Bureau Data**

### 2.3.2 Change Types

The Project Setup tool allows the user to input a boundary file so that an initial set of changes can be created at the same time the Census Bureau data is being downloaded. The Census Bureau recommends using this opportunity to create changes for legal geographies. Available legal geographies are:

- Incorporated Place.
- County Subdivision (MCD).
- County.
- Tribal.

If a user does not have changes for a legal geography, they can select the non-legal geography option(s) they wish to submit. These include:

- CDP.
- Street Updates.

If the user has more than one change type for which they want to create changes, they will run the **Project Setup** tool and then create additional change feature classes with the **Create**

**Changes** tool. Finally, to view what boundary the Census Bureau has on file before making any changes, select the **Just Download My Data** option.

### 2.3.3 Project Setup Tool

Follow the steps below to run the Project Setup tool.

1. In the Partnership BAS Tools Pro toolbox, double-click on the **Project Setup** tool ([Figure 6](#)).



**Figure 6: Partnership BAS Tools Pro Toolbox with Project Setup Selected**

2. From the Project Setup window ([Figure 7](#)), enter the 11-digit BAS ID in the **User's GOVID** field. This field should automatically populate if the project was set up using the steps laid out in section [2.1](#).
3. In the **Use Data Downloader?** field, select how to access the Census Bureau data:
  - a. To have the Census Bureau data downloaded automatically, select "**Yes**" under the **Use Data Downloader?** field then proceed to step 5.
  - b. To use previously downloaded Census Bureau data, select "**No**" under the **Use Data Downloader?** field then proceed to step 4.
4. The **Path to Zip Files** field will only take an input if **No** was selected earlier in the **Use Data Downloader?** field. Navigate or drag the folder into **Path to Zip Files** field. Make sure the folder only contains the Census Bureau zip files to ensure there are no future data issues. Refer to section [2.3.2](#) for more guidance.

---

**Note:** If an error message is returned when trying to use the automatic download, manually download the partnership files and try the tool that way. Use the guidance in [Chapter 4](#) for additional troubleshooting steps. If an error still occurs, contact the Census Bureau using the format laid out in the [Contact Us](#) section.

---

5. Under the **Create Changes For** field, choose the type of changes to create from the dropdown options. Available inputs are listed in [Table 3](#). If a legal geography is selected proceed to step 6. If a non-legal geography is selected or **Just Download My Data** is selected, proceed to step 8.

**Table 3: Distinction Between the Types of Changes Allowed in the Project Setup Tool**

LEGAL GEOGRAPHY	NON-LEGAL GEOGRAPHY
Incorporated Place	CDP
County Subdivision (MCD)	Street Updates
County	
Tribal	

6. In the **Local Boundary File** field, enter the path or navigate to the full boundary polygon.
7. For the **Name Field in Local Data**, type the name of the field (as it appears in the local data in the Catalog pane) containing the information matching the Census Bureau's NAME or NAMELSAD field as appropriate from section [2.2](#).
8. Once all fields are complete, select **OK**.

1) Project Setup

Parameters Environments ?

User's GOVID  
13700074540

Use Data Downloader?  
Yes

Create Changes For  
Incorporated Place

Local Boundary File  
13700074540\_incplace.shp

Name Field in Local Data  
C\_NAME

**Figure 7: Project Setup Window for Legal Changes**

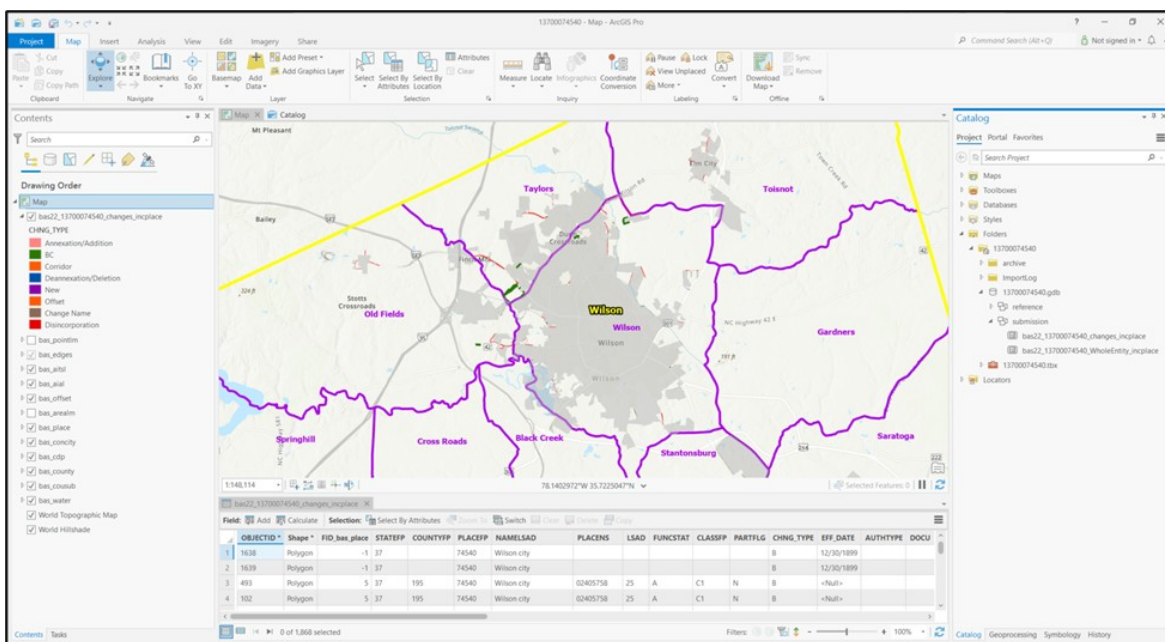
---

**Note:** If a non-legal geography type was selected in the **Create Changes For** field, the last two fields will be blank and disabled. See section [2.4](#) for examples.

---

9. When this tool is complete, there should be reference and changes feature classes (i.e., bas<yy>\_<GOVID>\_changes\_<geogtype>) in the project geodatabase (.gdb), an archive folder inside the project folder (visible in [Figure 20](#)), and a map in the project complete with reference data and the changes already formatted with suggested symbology ([Figure 8](#)).





**Figure 8: View of Project Once Created**

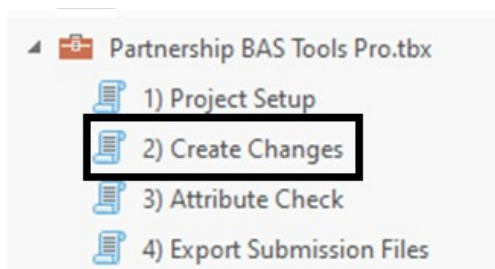
Note: The archive folder contains other Census Bureau data that may be useful as well.

10. At this point, there are a few different options for next steps.
  - a. To create changes, proceed to section 2.4.
  - b. To begin reviewing the changes, proceed to Chapter 3.

## 2.4 Create Changes Tool (Optional)

Execute the **Create Changes** tool to create change files for additional levels of geography. If changes only exist for one level of geography and they were already made in the previous step, proceed to Chapter 3.

1. If the local data is not already prepared, refer to section 2.2 before proceeding to create legal changes. To create changes for a non-legal geography, continue to step 2.
2. Double-click on the **Create Changes** tool (Figure 9).



**Figure 9: Partnership BAS Tools Pro Toolbox with Create Changes Tool Selected**

3. To create changes for legal geographies, in the **Create Changes** window (Figure 10):
  - a. Enter the 11-digit GOVID in the **User's GOVID** field if it is not already populated.
  - b. Under **Create Changes For**, choose the type of changes to create from the dropdown options:

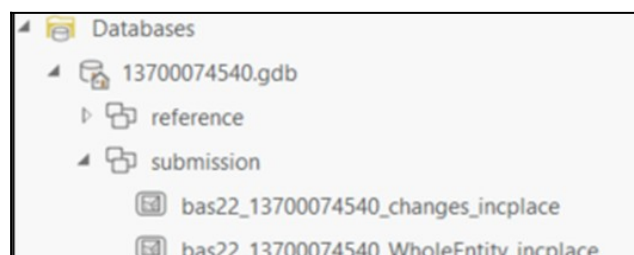
- c. Incorporated Place.
- d. County Subdivision (MCD).
- e. County.
- f. Tribal.
- g. In the **Local Boundary File** field, enter the path or navigate to the full boundary polygon.
- h. For the **Name Field in Local Data**, enter the name of the field (as it appears in the Catalog pane) containing the information matching the Census Bureau's NAME or NAMELSAD field as appropriate from section 2.2.

**Figure 10: Create Changes Window for Legal Changes**

4. To create non-legal changes, in the **Create Changes** window (Figure 11):
  - a. Enter the 11-digit GOVID in the **User's GOVID** field.
  - b. Under **Changes Being Processed**, choose the type of changes to create from the dropdown options:
    - CDP.
    - Linear Features.

**Figure 11: Create Changes Window for Non-Legal Changes**

5. Select **Run** at the bottom of the window to execute the tool.
6. When the tool completes, the output is placed in the geodatabase under the submission feature dataset.



**Figure 12: Project Geodatabase with Output from Create Changes Tool**

7. Repeat steps for any other levels of geography that need changes created.

---

Note: The BAS year used in screenshots throughout this document may vary, however, functionality of the tools or actions being described remain the same.

---

## CHAPTER 3 REVIEWING AND EXPORTING A SUBMISSION

---

At this point, a review of the created changes is necessary to ensure proper attribution is contained in each record. This chapter discusses the types of changes to update or remove from the submission based on current relationships within the Census Bureau data.

1. With editing enabled in the project, open the attribute table for the changes layer(s) to conduct a line-by-line review of the requested changes.
2. Review each change polygon for the following potential issues:
  - Required attribution information (section 3.1).
  - Large boundary corrections (section 3.2).
  - Boundary-to-Feature Relationships (section 3.3).
  - Corridors and Offsets (section 3.4).
3. Edit street and CDP changes as necessary (section 3.5).
4. Save the edits to the change feature classes.
5. Export the submission (section 3.7) and proceed to Chapter 5.

---

**Note:** The Census Bureau will snap boundary changes to any linear feature that is correctly located within 30 feet of the change. Additionally, changes that are less than 30 feet at their widest point may not be incorporated into the Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) System due to system constraints. For more information, refer to the BAS Technical Guide at:  
<[www.census.gov/programs-surveys/bas/information/respondent-guides.html](http://www.census.gov/programs-surveys/bas/information/respondent-guides.html)>.

---

### 3.1 Required Attribute Information

It is important to review each change polygon and confirm that the correct attribute information is included. Without the correct attribute information, the Census Bureau will be unable to process and incorporate the changes into the MAF/TIGER System.

1. All changes are coded as a "B" for **Boundary Correction** by the **Create Changes** tool. If there are legal changes in the file, navigate to the area of the change and select the change polygon.
2. Update the required fields for the selected change polygon. Refer to **Table 4** for the required attributes that should be manually updated. **Table 5** lists the acceptable values for each required field and expected values for fields that do not take a specific Census Bureau code.
3. Once the attribution is updated, save the edits, move to the next change polygon, and repeat the process in steps 1 and 2.
4. Once the known legal changes are complete, review the rest of the boundary changes using the guidance in sections 3.2, 3.3, and 3.4.

**Table 4: Required Attribution by Update Type**

UPDATE TYPE	CHNG_TYP E	NAME	EFF_DAT E	AUTHTYPE	DOCU	AREA	RELATE
Annexation/ Addition	✓	✓	✓	✓	✓*	✓*	
Deannexation/ Deletion	✓	✓	✓	✓	✓*	✓*	
Boundary Correction	✓	✓					✓
Geographic Corridor	✓	✓					✓
Geographic Offset	✓	✓					✓
Disincorporation/ Remove Entity	✓	✓	✓	✓	✓		
New Incorporation/ Add Entity	✓	✓	✓	✓	✓		
Name Change	✓	✓	✓	✓	✓		

Note\*: The AREA field is required for submissions in Georgia. The DOCU field is not required for submissions in Georgia.

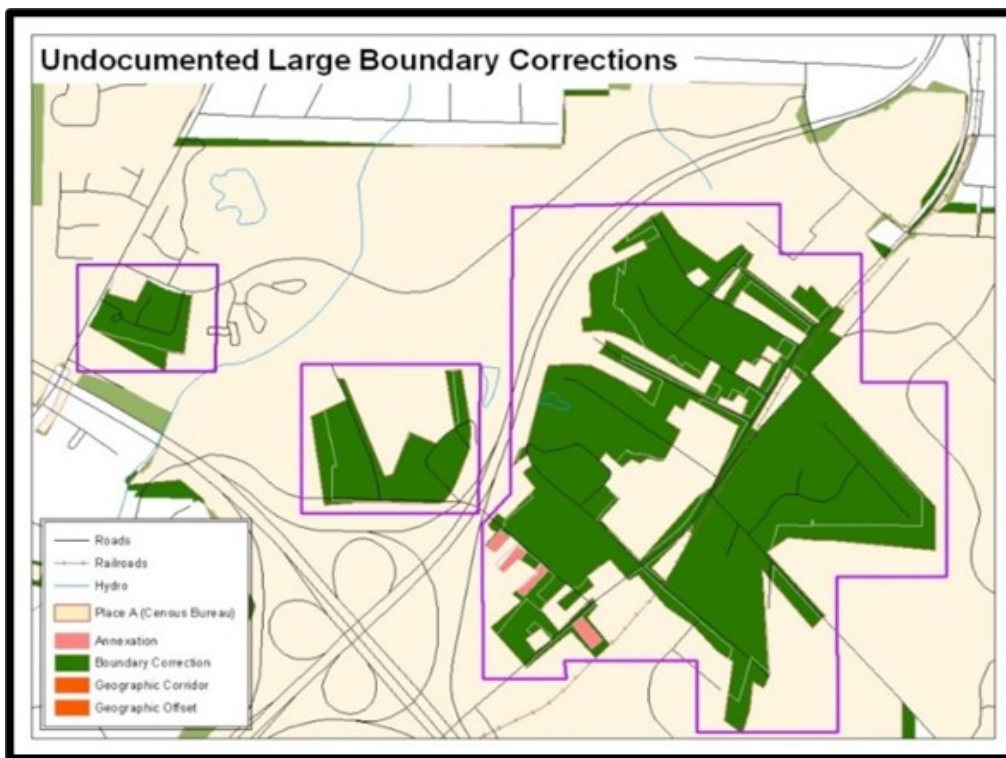
**Table 5: Acceptable Field Inputs for Changes Submitted to BAS**

ATTRIBUTE FIELD	ATTRIBUTE FIELD DESCRIPTION	ALLOWABLE VALUE	ALLOWABLE VALUE DESCRIPTION
CHNG_TYPE	Type of Area Update	A	Annexation/Addition
CHNG_TYPE	Type of Area Update	D	Deannexation/Deletion
CHNG_TYPE	Type of Area Update	B	Boundary Correction
CHNG_TYPE	Type of Area Update	C	Geographic Corridor
CHNG_TYPE	Type of Area Update	F	Geographic Offset
CHNG_TYPE	Type of Area Update	X	Disincorporation/Remove Entity
CHNG_TYPE	Type of Area Update	E	New Incorporation/Add Entity
CHNG_TYPE	Type of Area Update	G	Name Change
EFF_DATE	Effective date of legal change	mm/dd/yyyy	Two-digit month, two-digit day, and four-digit year.

ATTRIBUTE FIELD	ATTRIBUTE FIELD DESCRIPTION	ALLOWABLE VALUE	ALLOWABLE VALUE DESCRIPTION
AUTHTYPE	Type of Authorization	O	Ordinance
AUTHTYPE	Type of Authorization	R	Resolution
AUTHTYPE	Type of Authorization	L	Local Law
AUTHTYPE	Type of Authorization	S	State Level Action
AUTHTYPE	Type of Authorization	E	Executive Order (Tribal Submissions Only)
AUTHTYPE	Type of Authorization	C	BIA Certification (Tribal Submissions Only)
AUTHTYPE	Type of Authorization	D	Deed (Tribal Submissions Only)
AUTHTYPE	Type of Authorization	X	Other
DOCU	Supporting documentation number	O-### R-###	Unique number or code assigned to the legal document; not required in the state of Georgia
AREA	Area of update in acres	##.#	Only required in the state of Georgia
RELATE	Relationship Description	IN	Area is added to the entity.
RELATE	Relationship Description	OUT	Area is removed from the entity.

## 3.2 Large Boundary Corrections

The Census Bureau will not accept large boundary corrections that substantially change the current boundary of a government without the appropriate legal documentation numbers and effective dates. These large boundary corrections ([Figure 13](#)) may be legal boundary changes that occurred in the past and were never reported to the Census Bureau.



**Figure 13: Example of Large Boundary Corrections**

Without the appropriate documentation, the Census Bureau will not accept large boundary corrections.

If a large boundary correction is a result of a previous legal change:

- Submit the appropriate legal documentation number and effective date (no matter how old), so the changes may be incorporated into the MAF/TIGER System. Refer to [Table 4](#) and [Table 5](#) and to the steps in section [3.1](#) to complete required attribution for legal changes.
- If legal documentation cannot be provided for any reason, [Contact Us](#) to discuss submission options.

---

Note: There may be a few instances when large boundary corrections need to be made because of incorrect digitizing or where the boundary appears in the incorrect location due to other Census Bureau activities. If unsure how to proceed, [Contact Us](#) to discuss submission options.

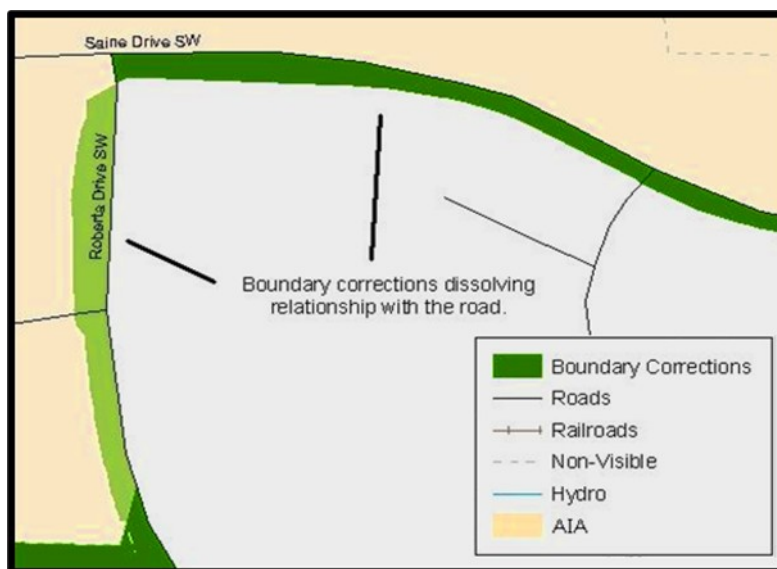
---

### 3.3 Boundary to Feature Relationships

Review all changes to ensure that the correct boundary-to-feature relationships are being created or maintained. The Census Bureau is aware that many governments base their legal boundaries on cadastral (parcel-based) right-of-way mapping; however, the Census Bureau bases maps on spatial data that is topologically integrated (see the BAS Technical Guide at: [www.census.gov/programs-surveys/bas/information/respondent-guides.html](http://www.census.gov/programs-surveys/bas/information/respondent-guides.html)). This helps establish a more accurate population count for governments.

The Census Bureau will not accept boundary corrections that dissolve the current relationship between an existing boundary and linear feature without specific instruction that the relationship is incorrect. The Census Bureau will not incorporate any boundary corrections that

create a 30-foot, or less, gap or overlap between the existing linear feature and boundary into the MAF/TIGER System. **Figure 14** shows an example of changes that will not be accepted.



**Figure 14: Example of Small Spatial Corrections**

Boundary corrections smaller than 30 feet would dissolve the boundary to feature relationship with multiple streets. Incorporating these changes would affect the population counts for the area. Therefore, the Census Bureau will not accept these small, spatial boundary corrections.

If there are changes in the submission that would remove boundary-to-feature relationships, use the following information to determine if the change should be kept or deleted from the submission:

- Changes that are based on cadastral data and are not legally required to accurately display the boundary can be deleted from the submission.
- If the change is along a roadway and must be incorporated, mark it as an offset or corridor. Refer to section 3.4 to learn how to add corridors and offsets.
- If the feature is incorrectly located, the change can remain in the submission. Note the incorrect feature in the **JUSTIFY** field.

### 3.4 Corridors and Offsets

The Census Bureau does not require places and AIAs to report rights-of-way. Geographic corridors are not essential to the mission of the Census Bureau, and the right-of-way should only be included if it is crucial to the place or AIA, or if state or local laws require it. For more information on appropriate uses of corridors and offsets, refer to the BAS Technical Guide at: [www.census.gov/programs-surveys/bas/information/respondent-guides.html](http://www.census.gov/programs-surveys/bas/information/respondent-guides.html).

To add a corridor or offset to the submission:

1. Navigate to the change polygon and select it.
2. Using the Attribute table or the Attribute Window, change the **CHNG\_TYPE** to the appropriate value. For a corridor, set it to "C" and set it to "F" for an Offset.



3. If this change is due to legal action, provide the **AUTHTYPE**, **DOCU**, **EFF\_DATE**, and **AREA** as appropriate as well. Information on these required fields can be found in section 3.1.
4. Save the project.

## 3.5 CDP and Street Feature Changes

CDPs and streets may be updated through BAS. The Census Bureau accepts updates to these areas in a similar manner to legal boundary changes. However, since they are not legal governments, no documentation or effective dates are required. If changes are made, save the project often to protect the completed work.

### 3.5.1 CDP Changes

To create changes to CDPs, make sure to run the **Create Changes** tool with the **CDP** option selected. That action creates an empty feature class called **bas<yy>\_<GOVID>\_changes\_cdp**.

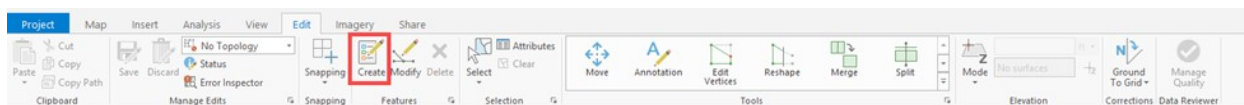
Each CDP update must have the required attribution and corresponding change type populated (refer to [Table 6](#)) in the attribute table. The steps below document how to properly update a CDP layer.

**Table 6: Required Attribution for CDP Changes**

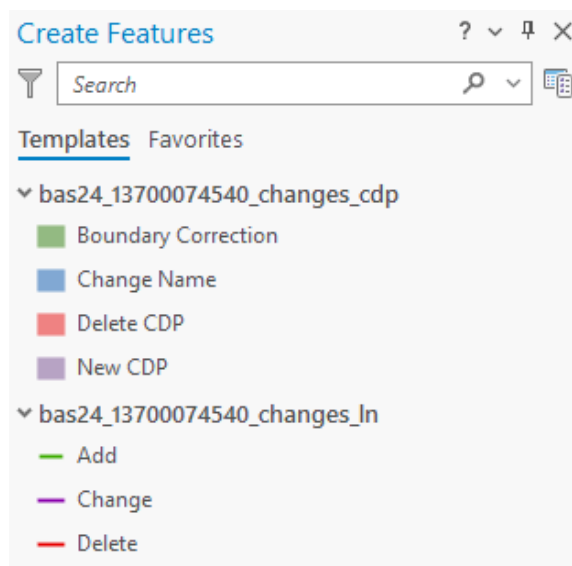
UPDATE TYPE	CHNG_TYPE VALUE	CHNG_TYPE	NAME	RELATE
Boundary Correction	B	✓	✓	✓
Delete CDP	X	✓	✓	
New CDP	E	✓	✓	
Name Change	G	✓	✓	

Note: The checkmark (✓) in the table denotes a required field for the four types of CDP changes.

1. From the **Edit** tab, select the **Create** button in the **Features** group ([Figure 15](#)). Navigate to the area to modify, add, or remove a CDP. Make sure the **Create Features** pane ([Figure 16](#)) is open as it should list all the appropriate types of CDP edits to potentially make.



**Figure 15: Create Button from the Edit Tab, Features Group**



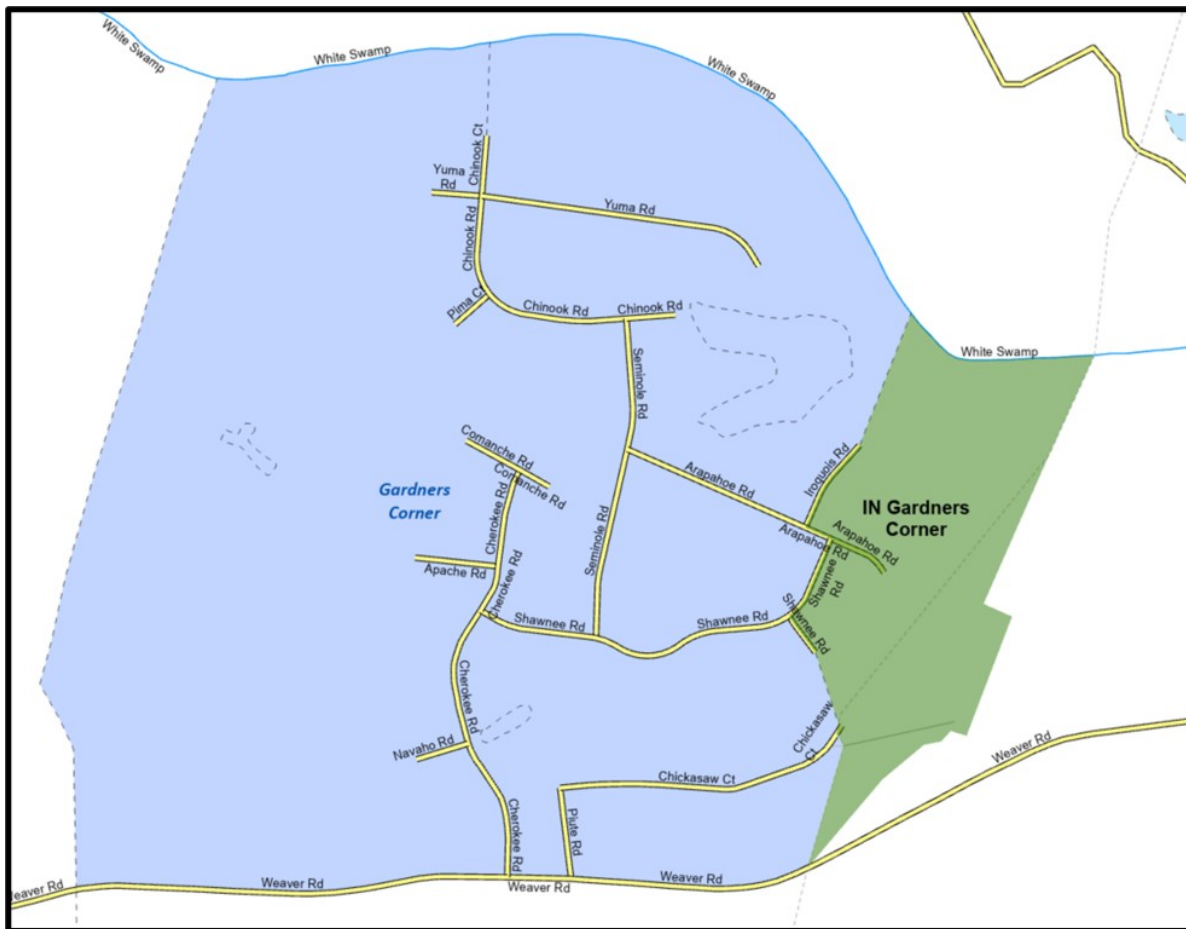
**Figure 16: Create Features Pane in ArcGIS Pro**

2. To modify the shape of an existing CDP, use the built-in editing tools to draw the difference between the boundaries. Select the **Boundary Correction** template for these changes and draw the areas that should be added or removed from the CDP. Once the polygon is complete, update the following fields in the attribute table:
  - a. Enter the feature name in the **NAME** field. Use the identify tool to get the name from the bas\_cdp layer.
  - b. Complete the **RELATE** field to designate if the area is being added (**IN**) or removed (**OUT**) from the CDP.
  - c. Make sure the **CHNG\_TYPE** field has the appropriate designator (**B**). If it does not, change it to **B**.

---

**Note:** To paste data into a specific data layer, use the **Paste Special** option in the **Edit** tab. This allows selection of a visible, editable layer to paste into, otherwise the paste action will paste the data into the same layer from which it was copied.

---



**Figure 17: Example of a Boundary Correction to Gardners Corner CDP**

3. To modify the name of an existing CDP:
  - a. Select the CDP from the **bas\_cdp** layer. Copy and paste it into the **bas<yy>\_<GOVID>\_changes\_cdp** layer.
  - b. Edit the attributes for the pasted change. Enter a "G" in the **CHNG\_TYPE** field and enter the new name in the **NAME** field.
4. To add a new CDP:
  - a. Using the built-in ArcGIS Pro editing tools, draw the new boundaries using the **New CDP** template.
  - b. Edit the attributes for the new change. Enter the new name in the **NAME** field. Enter an "E" in the **CHNG\_TYPE** field if it is not already there.
5. To mark a CDP for deletion from Census Bureau data:
  - a. Select the CDP from the **bas\_cdp** layer. Copy and paste it into the **bas<yy>\_<GOVID>\_changes\_cdp** layer.
  - b. Edit the attributes for the pasted change. Enter an "X" in the **CHNG\_TYPE** field.

### 3.5.2 Street Updates

The Census Bureau will accept street updates along with a regular BAS submission. To make street updates, make sure to run the **Create Changes** tool with **Streets** selected. That tool creates an empty feature class called **bas<yy>\_<GOVID>\_changes\_In**. There are multiple valid approaches to populating this layer with appropriate change data. Since these would include

potential updates to local data sources, we cannot say which would be most appropriate for each individual user. The Census Bureau accepts the following street feature updates:

- Adding named streets missing in the Census Bureau BAS Partnership Edges shapefile (PVS\_25\_v2\_edges.shp). The new street adds must be named and exist on the ground or be under construction (no paper or planned streets).
- Deletions for streets in the Census Bureau BAS Partnership Edges shapefile that do not exist or are in the incorrect location.
- Reshapes for spatially inaccurate named streets in the Census Bureau BAS Partnership Edges shapefile.
- Renames and MAF/TIGER Feature Class Code (MTFCC) reclassifications for streets with incorrect street names and/or MTFCC values in the Census Bureau BAS Partnership Edges shapefile.

Each street update must have the required attributes and corresponding change type populated as detailed in [Table 7](#). If the correct attribution is not provided, the Census Bureau will not make the correction. The Census Bureau does not accept new street adds for driveways, parking lot roads, unnamed alleys and other types of unnamed or non-addressable streets. The steps below document how to properly update the street feature layer.

**Table 7: Required Attribution for Street Updates**

UPDATE TYPE	CHNG_TYPE VALUE	CHNG_TYPE	TLID	FULLNAME	MTFCC
Add Feature	AL	✓		✓	✓
Delete Feature	DL	✓	✓		
Rename Feature	CA	✓	✓	✓	
Feature MTFCC Reclassification	CA	✓	✓		✓

Note: The checkmark (✓) in the table denotes required fields for the street update types.

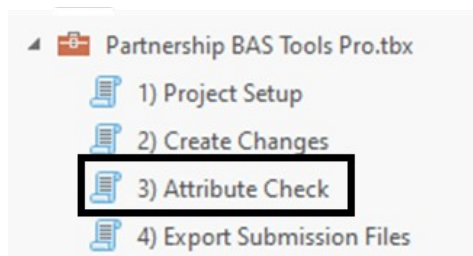
1. Three possible methods for adding street features include:
  - Loading the data (with or without a query) into the changes feature class so that individual fields can be mapped into the Census Bureau requested schema.
  - Tracing the local data source or create streets from imagery using the appropriate **bas<yy>\_<GOVID>\_changes\_In** template to create new records.
  - Copying and pasting data from the local streets data source.
2. To add streets, modify the attribution for the street using the preferred editing method:
  - Enter "AL" in the **CHNG\_TYPE** field (if it is not already populated) and enter the appropriate [MAF/TIGER Feature Class Code](#) in the **MTFCC** field. If the feature has a name, enter the name in the **FULLNAME** field.

- If this is a new street (MTFCC starts with S), provide the name of the street in the **FULLNAME** field.
3. To modify or delete streets, copy and paste the records from the **bas\_edges** feature class to change. This preserves the TIGER/Line ID (TLID) in the **TLID** field.
  4. If a street feature that does not exist is in the Census Bureau's MAF/TIGER System, mark the street for deletion by entering "DL" in the **CHNG\_TYPE** field.
  5. If a street is in the incorrect location in the Census Bureau's MAF/TIGER System, mark the street for deletion and re-add it in the correct location using the steps laid out above. Only do this work if the street is very far off or is in the wrong position relative to boundaries or other streets.
  6. If a street has an incorrect name and/or MTFCC, enter "CA" in the **CHNG\_TYPE** field. Populate the correct MTFCC in **MTFCC** and/or the correct name in **FULLNAME**.

### 3.6 Attribute Check Tool

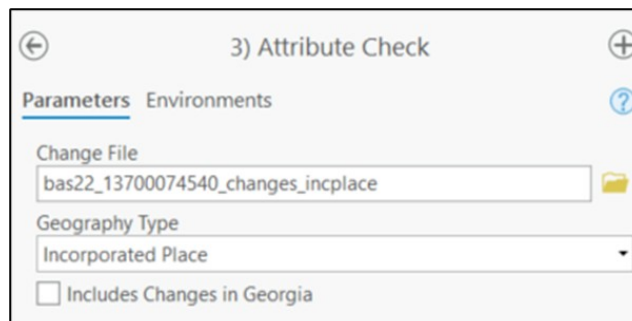
This tool is used to verify that there are no inconsistencies with the data included in the submission. Run this tool during or after change polygons have been reviewed for spatial accuracy to produce a report of attribution errors. It can be run for all levels of geography that have changes since it is run on each individual change file.

1. Double-click on the **Attribute Check** tool.



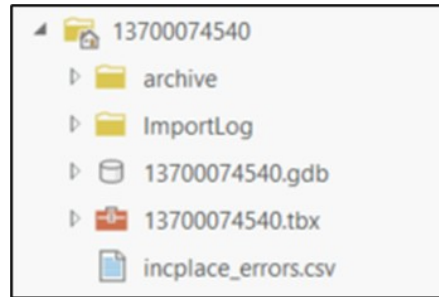
**Figure 18: Partnership BAS Tools Pro Toolbox with Attribute Check Selected**

2. In the **Attribute Check** window (Figure 19):
  - a. The **Change File** should be the change file located within the submission feature dataset for which to generate a report.
  - b. In **Geography Type**, choose the type of geography being worked on from the dropdown. The same options as the **Create Changes** tool are available here.
3. The last input is the optional check box for "Includes Changes in Georgia". This box only needs to be checked if responding in the state of Georgia.



**Figure 19: Attribute Check Window for an Incorporated Place Change**

4. Select **Run** at the bottom of the window to execute the tool.
5. There should now be a text file in the working folder called **<geogtype>\_errors.csv** containing all the discrepancies identified in the change file that still need to be fixed ([Figure 20](#)).



**Figure 20: Project Folder Showing an Attribute Check Error CSV File**

6. Correct any attribution errors identified in the error file. Use the tables in the previous sections to assist in correcting the errors that appear in the error CSV file.

### 3.7 Export Submission Tool

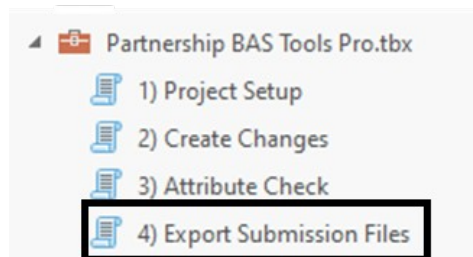
After conducting a review of the changes file and the attribute error report, the finalized changes may be exported for submission to the Census Bureau using this tool. This tool can also be used to provide updated contact information with the submission.

---

Note: This tool does not submit the changes, it just makes a file for submission. Follow steps listed in [Chapter 5](#) to submit the changes through the Secure Web Incoming Module (SWIM).

---

1. Double-click on the **Export Submission Files** tool.



**Figure 21: Partnership BAS Tools Pro Toolbox with Export Submission Files Selected**

2. In the **Export Submission Files** tool window:
  - a. Enter the 11-digit GOVID into the **User's GOVID** field.
  - b. Parcel data can be included as supplemental information in the **Parcels** field. This is an optional field that can be left blank.
  - c. Under **Additional Files**, drag in or navigate to any additional files to be included in the submission. This can include streets data, maps, legal documentation, or any other helpful supporting data. This is an optional field that can be left blank. There is no need to add the changes layers here as the tool will include them automatically based on the GOVID.
  - d. For **BAS Contact**, **Entity Name**, **Contact Title or Department Name**, **Address**, **Email**, and **Phone Number**, include contact information updates for the Census Bureau. These fields

can be left blank if there are no updates. If someone other than the official BAS Contact prepared the submission, include that contact person's information.

4) Export Submission Files

Parameters Environments ?

User's GOVID  
13700074540

Parcels  
parcels.shp

Streets or Centerlines  
centerlines.shp

Additional files  
x

BAS Contact  
John Smith

Entity name  
Wilson NC

Contact Title or Department Name  
GIS Manager

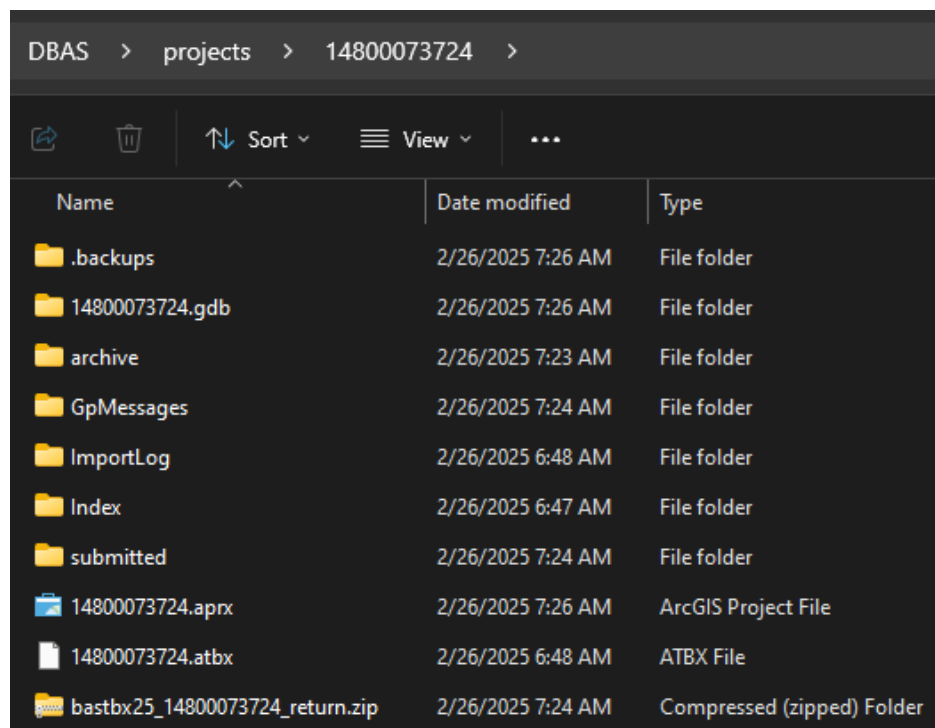
Full Street Address  
123 Main St ilson NC 99999

Email  
john.smith@example.gov

Phone Number  
555-555-5555

**Figure 22: Export Submission Files Window**

3. Select **Run** at the bottom of the window to execute the tool.
4. When the tool completes, a new browser window will open and load the SWIM webpage. The zip file containing the submission will be located inside the GOVID folder and named **bastbx<yy>\_<GOVID>\_return.zip** as shown in **Figure 23**.



**Figure 23: Submission within the GOVID Project Folder in File Explorer**



## CHAPTER 4 TROUBLESHOOTING TOOLBOX ISSUES

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This chapter identifies some of the common errors that have been reported and details how to proceed and/or resolve them.

### 4.1 Output Geodatabase <filepath> does not exist or is not supported

This is the most common error users receive. Below are several options to resolve this issue.

1. Confirm that all the steps in section 2.1 were followed.
2. Remove any spaces from the file path. Esri does not support spaces in file paths or file names so remove them as often as possible when running geoprocessing tools.
3. Confirm there are no unsaved edits to the geodatabase in the project. This will lock the geodatabase for any geoprocessing tasks.
4. Run the tools from a local drive (C:\) instead of a network or cloud location. ArcGIS Pro can encounter problems when working on shared network drives or mapped locations.
5. Confirm the DBAS folder contains the project and setup folder and that the GOVID folder is within the project folder. The file structure, as originally downloaded, needs to be maintained for the tools to work properly.
6. Disable any organization settings in ArcGIS Pro to start any new map with a customized template map. This can cause pathing issues.
7. Provide the full text of the error message to help the Census Bureau troubleshoot the issues.

### 4.2 Cannot open lyrx

**ERROR 000229: Cannot open ...\\DBAS\\setup\\lyrs\\template\_changes\_incplace.lyrx** means the lyr file from the \\DBAS\\setup\\lyrs folder must be manually imported. There should be a lyr file that has the same name as the failed .lyrx file to use. Otherwise, the changes have been created and are ready to update.

### 4.3 Cannot zoom to extent of bas\_county

If the following error appears, **AttributeError: 'NoneType' object has no attribute 'camera'**, changes have been created and the project is ready; however, ArcGIS Pro encountered an error when trying to zoom to the area of interest. Users can manually zoom to the area by right-clicking on the bas\_county layer and selecting Zoom to.

### 4.4 Whole entity of boundary appearing in changes file

This occurs when the input NAME or NAMELSAD information does not match up with any records in the Census Bureau data. Confirm all capitalization, spacing, and naming is consistent with what the Census Bureau has in its data unless a name change is necessary. Refer to section 2.2 for more information.

## 4.5 FTP fails

An error like the one below may occur due to network settings or firewall restrictions. In this occurs, download the partnership shapefiles from the BAS website and use the offline mode of the toolbox as described in section [2.3.1](#).

```
Accessing ftp site...
❗ Traceback (most recent call last):
  File "\\citycr.local\sharedocs\CD\ADMINISTRATIVE\Staff Folders\Betsy
Borchardt\BAS\2024\BAS_Partnership_Toolbox_Pro\BAS\setup\Partnership BAS Tools
Pro.tbx#GetDataAndGDB2_PartnershipBASTools3.py", line 523, in <module>
    File "\\citycr.local\sharedocs\CD\ADMINISTRATIVE\Staff Folders\Betsy
Borchardt\BAS\2024\BAS_Partnership_Toolbox_Pro\BAS\setup\Partnership BAS Tools
Pro.tbx#GetDataAndGDB2_PartnershipBASTools3.py", line 174, in get_pvs
    File "C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3\Lib\ftplib.py", line 412, in login
        resp = self.sendcmd('USER ' + user)
    File "C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3\Lib\ftplib.py", line 281, in sendcmd
        return self.getresp()
    File "C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3\Lib\ftplib.py", line 244, in getresp
        resp = self.getmultiline()
    File "C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3\Lib\ftplib.py", line 230, in getmultiline
        line = self.getline()
    File "C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3\Lib\ftplib.py", line 212, in getline
        line = self.file.readline(self.maxline + 1)
    File "C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3\Lib\socket.py", line 704, in readinto
        return self._sock.recv_into(b)
TimeoutError: [WinError 10060] A connection attempt failed because the connected party did not properly respond after a
period of time, or established connection failed because connected host has failed to respond
Failed script 1) Project Setup...
❗ Failed to execute (GetDataAndGDB2).
Failed at Wednesday, February 7, 2024 1:13:16 PM (Elapsed Time: 20.32 seconds)
```

Figure 24: Example of FTP Failure Message

## 4.6 No module named pandas

ArcGIS Pro includes a module named pandas and the Attribute Check tool uses it. If this error occurs, skip this tool and the Census Bureau will check the attributes upon receipt of the submission.

## 4.7 Toolbox is blank

When adding the toolbox to the aprx, double-clicking on the toolbox will cause it to appear blank. Instead, use the left-button of the mouse to click once on the toolbox to select it, then select Add. The toolbox should now appear in the Catalog pane.

## CHAPTER 5 SUBMIT CHANGES TO THE CENSUS BUREAU

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All participants must use the SWIM to submit their changes to the Census Bureau. Due to security requirements, the Census Bureau cannot accept submissions through File Transfer Protocol, email, or any protocol other than the SWIM site.

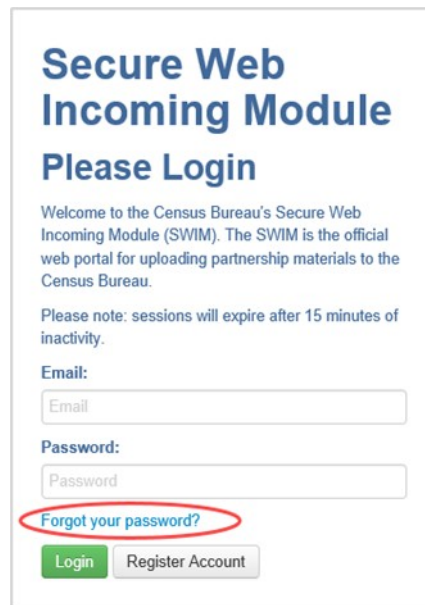
To upload and transmit update files to the Census Bureau, first access the SWIM user's account.

1. Open a web browser window and enter the SWIM URL: <<https://respond.census.gov/swim/>>. SWIM runs on the two most recent versions of each of these major browsers:
  - Microsoft Edge®
  - Google Chrome®
  - Mozilla Firefox®
  - Apple Safari®
2. Users who already have a SWIM account should proceed to Step 4 to log in.
3. Users who do not have a SWIM account should select "Register Account".
  - a. Enter the 12-digit token provided by the Census Bureau.
  - b. Create a password following the five criteria below:
    - Username and password are case sensitive.
    - It must be at least eight characters in length.
    - It must have at least one upper case character.
    - It must have at least one lower case character.
    - It must have at least one number.
    - It must have at least one special character (valid characters are: #, !, \$, &, ?, ~).
  - c. Complete the registration information form.
4. Log in to SWIM using the user's email address and password.
5. Upload a BAS submission:
  - a. Select the "Start New Upload" button.
  - b. Select the "BAS" radio button.
  - c. Select the Entity type (State, Place, County, MCD, Tribal Area, or Consolidated City).
  - d. Select the State and corresponding entity from the dropdown lists.
  - e. Choose the "+ Add File" button.
  - f. Select the .zip file to upload.
  - g. Double-click on the .zip file to upload. Add additional .zip files in the same manner.
  - h. Add any additional information to the Comments field.
6. Choose "Next". A "Thank You" screen appears.
7. Logout of SWIM.

## 5.1 Troubleshooting SWIM

For those having trouble accessing their SWIM account, here are some tips:

- SWIM email addresses and password are case-sensitive.
- Users who have forgotten their password may reset it by using the “Forgot your password?” link on the login page. Follow the prompts to enter the case-sensitive email address and provide the security answer. If the security answer is correct, SWIM sends a password reset link to the email account to use to reset the password. Once logged into SWIM, users can modify their password and security answer by selecting the “Change Security” link at the top, right side of the page.

The image is a screenshot of the 'Secure Web Incoming Module' login page. At the top, the title 'Secure Web Incoming Module' is in a large, bold, blue font, followed by 'Please Login' in a slightly smaller blue font. Below this, a welcome message states: 'Welcome to the Census Bureau's Secure Web Incoming Module (SWIM). The SWIM is the official web portal for uploading partnership materials to the Census Bureau.' A note below that says: 'Please note: sessions will expire after 15 minutes of inactivity.' The login form consists of two input fields: 'Email:' and 'Password:', each with a corresponding text box. Below the password field, the link 'Forgot your password?' is highlighted with a red oval. At the bottom of the form are two buttons: a green 'Login' button and a grey 'Register Account' button.

**Figure 25: SWIM Login Screen and Password Reset Link**

- Users that cannot recover their password through the “Forgot your Password?” link should email [geo.bas@census.gov](mailto:geo.bas@census.gov) with the subject line “SWIM Account Assistance” with a brief description of the issue.
- SWIM accounts are specific to the user, not to the government, so do not share a SWIM account between multiple users. Governments may always request another account for a new BAS contact.
- If a user has an existing SWIM account through another geographic partnership program such as Local Update of Census Addresses (LUCA) operation or the Participant Statistical Areas Program (PSAP), they may use that same account for BAS. There is no need to create another account.