## CENSUS BLOCK

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10/30/2024

EDUCATION SERVICE CENTER 1

### Legislative Requirement



House Bill 3 (HB3) requires that Texas Local Education Agencies report a census block group number for each economically disadvantaged student. TEA provides the following resources to determine the information:

- The Census Block Group Tool is accessible in TSDS
- The Census Block Map and the Census Block Application Programming Interface (API) Solution are accessible through the TEA Census Block Group Tools website.

### Purpose of Census Block Group Numbers



- Per the legislation requirements, a census block group number must be submitted for every economically disadvantaged student except those students who are homeless, not enrolled, ADA-ineligible, or who reside in a residential facility and whose parents live outside the LEA.
- The census block group number is reported in the PEIMS Fall and Summer Submission (Excel Center for Adults only).
  - After the submission is closed, a series of aggregations and calculations are performed, and prepared for storage in TEA's main database.

## Purpose of Census Block Group Numbers continued



- The census block tier data is part of calculations for two Foundation School Programs (FSP):
  - The Compensatory Education Allotment Calculation
  - The Teacher Incentive Allotment
- The Compensatory Education Allotment provides extra compensation to LEAs for educating economically disadvantaged students.
  - The allotment is calculated based on the census block group in which the student resides based on the Census Block Tier Calculations.

# CENSUS BLOCK GROUP Submission Requirements



#### 2024 PEIMS TIMELINE



PEIMS Fall Submission (Sub 1)					
TSDS PEIMS ready to load data to IODS	August 5, 2024				
Close of school-start window - Last Friday in September	September 27, 2024				
PEIMS Fall snapshot date	October 25, 2024				
TSDS PEIMS Fall ready for users to complete, approve, and accept submissions	October 28, 2024				
Requests to retire Unique IDs due at TEA for PEIMS Fall First Submission	December 6, 2024				
PEIMS Fall First Submission due date for LEAs and ESCs	December 12, 2024				
Requests to retire Unique IDs due at TEA for PEIMS Fall Resubmission	January 10, 2025				
PEIMS Fall Resubmission due date for LEAs and ESCs	January 16, 2025				
PEIMS Fall data available to customers	February 13, 2025				

## E1648 - StudentCensusBlockGroupSet



Data Element ID Data Element Name		e Date Issued	Date Updated					
E1648	StudentCensusBlockG	roup 08/26/2019						
	<b>Definition</b>							
StudentCensusBlockGroup indicates the census block in which the student resides.								
Special Instructions								
Table Identification	Length	Data Type	Domain of Values					
	12	String						
	Used in	Entities						
Student > StudentCensusBlock(	GroupSet							
	Used in	Domain						
Student Identification and Demo	graphics							
	Former Data E	lement Name						
	Used in Data Collec	tions/Submissions						
PEIMS Extended Year	CF Child Find	ECDS ECDS-KG	SELA Special					
✓ PEIMS Fall	CR Fall	ECDS ECDS-PK	Education Language					
PEIMS Mid-Year	CR Winter	NP Not Promoted	Acquisition					
✓ PEIMS Summer	CSW Charter School	RFT Residential	SPPI-14 SPPI-14					
	Waitlist	Facility Tracker	UID Enrollment Event					
		-	UID Enrollment Event					

## Student Entity



Data Element	NP* Cor	e PEIMS	Length	Data Type	Descriptor Ta	able Element ID
StudentUniqueld	✓	PF,PS,PE	10	String		E1523
LocalStudentId	✓	PF,PS,PE	9	String		E0923
Studentld	✓	PF,PS,PE	9	String		E0001
GenerationCode	✓	PF,PS,PE		Descriptor	C012	E0706
AsOfStatusLastFridayOctober		PF		Descriptor	C324	E3007
AsOfStatusLastDayEnrollment		PS		Descriptor	C323	E3006
StudentDoNotReportTSDS	✓			Boolean		E3009
NonEnrolledStudentUILActivity (may have multiple instances)		PS		Descriptor	C234	E1739
Name						
FirstName	✓	PF,PS,PE	75	String		E0703
MiddleName	✓	PF,PS,PE	75	String		E0704
LastSurname	✓	PF,PS,PE	75	String		E0705
BirthData						
BirthDate	✓	PF,PS,PE	10	Date		E0006
StudentCensusBlockGroupSet (may have multip	le instanc	es)				
StudentCensusBlockGroup		PF,PS	12	String		E1648
BeginDate		PF,PS	10	Date		E3010
EndDate		PF,PS	10	Date		E3020
CrisisEventSet (may have multiple instances)						
CrisisEvent (may have multiple instances)		PF,PS		Descriptor	C178	E1054
BeginDate		PF,PS	10	Date		E3010
EndDate		PF,PS	10	Date		E3020



#### Student>StudentCensusBlockGroupSet

The StudentCensusBlockGroupSet common type captures the census block in which an economically disadvantaged student resides and the BeginDate and EndDate associated to the StudentCensusBlockGroup data element.

StudentCensusBlockGroup (E1648) indicates the census block in which the student resides.

A census block is a geographic unit defined by the U.S. Census Bureau. LEAs can use the tool provided by TEA to determine the *StudentCensusBlockGroup*.

**BeginDate (E3010)** is the first instructional day in the current school year an economically disadvantaged student is assigned to the Census Block Group Number.

**EndDate (E3020)** is the first day after the last instructional day an economically disadvantaged student was assigned to the Census Block Group Number.



#### **PEIMS Fall Submission (1):**

StudentCensusBlockGroup must be reported for students who are economically disadvantaged, enrolled on the PEIMS Fall snapshot date (last Friday in October) date (AsOfStatusLastFridayOctober B (Enrolled in District In School-Start Window And Enrolled On Fall As Of Date), D (Enrolled PY Not Enrolled School-Start Window And Enrolled Fall As Of Date), F (Not Enrolled PY Not Enrolled School Start Was Enrolled On Fall As Of Date), or X (For All Students in Grades EE-06 And First Time 7th Graders)), and eligible for average daily attendance (ADA), or enrolled, not in membership due to the virtual learning (ADAEligibility 9 (Enrolled, Not In Membership Due To Virtual Learning)). This includes students (with or without a disability) who reside in a residential facility if they are regularly assigned to the LEA.



Table Identification	on Name		Date Issued	Date Updated
C324	AsOfStatusLastFriday(	October	03/01/2022	07/01/2022
Descriptor	Short Description	Long D	escription	
Grades 7 – 12				
Δ	Enrolled In District Prior School Year Not Enrolled District Current Year	Student Was Enrolled In The District During Enrolled In The District During The Curr		l Year But Has Never
IR .	Enrolled In District In School-Start Window And Enrolled On Fall As Of Date	Student Was Enrolled In The District Wit Enrolled In The District On The Fall As (		t Window And Was
C	Enrolled In District In School-Start Window Not Enrolled On Fall As Of Date	Student Was Enrolled In The District Wit Enrolled In The District On The Fall As (		t Window And Was Not
ID.	Enrolled PY Not Enrolled School-Start Window And Enrolled Fall As Of Date	Student Was Enrolled In The District In The District Within The School-Start Wir Enrolled In The District On The Fall As C	ndow In The Current	School Year And Was
F	Enrolled PY And CY Not Enrolled School-Start Window Or Fall As Of Date	Student Was Enrolled In The District In T District In The Current Year But Not With The Fall As Of Date		*
F	Not Enrolled PY Not Enrolled School Start Was Enrolled On Fall As Of Date	Student Was Not Enrolled In The District Enrolled In The District Within The Scho Year And Was Enrolled In The District O School Year	ol-Start Window In T	he Current School
G	Not Enrolled PY Enrolled CY Not Enrolled School Start Or Fall As Of Date	Student Was Not Enrolled In The District The District In The Current Year But Not On The Fall As Of Date		
For Grades EE – 06	and First-Time 7th Graders			
Х	For All Students in Grades EE-06 And First Time 7th Graders	For All Students In Grades EE-06 And F District On The Fall As Of Date	irst-Time 7th Grader	s Enrolled In The



StudentCensusBlockGroup must NOT be reported for students who are:

- · not economically disadvantaged,
- not enrolled on the PEIMS Fall snapshot date (last Friday in October),
- not in membership, (except students enrolled, not in membership due to virtual learning)
- ineligible for ADA,
- · homeless, or
- residing in a residential facility but are not regularly assigned to the district.



If the student:	Then:			
Is homeless	StudentCensusBlockGroup is not reported.			
Is not enrolled on the PEIMS Fall snapshot date (last Friday in October date (AsOfStatusLastFridayOctober A, C, E, or G)	StudentCensusBlockGroup is not reported.			
Is enrolled, but not in membership (ADAEligibility 0)	StudentCensusBlockGroup is not reported.			
Is enrolled, but not in membership (ADAEligibility 9)	StudentCensusBlockGroup is reported based on the student address.			
Is ineligible for ADA (ADAEligibility 4, 5, or 8)	StudentCensusBlockGroup is not reported.			
Resides in a residential facility but is not regularly assigned to the district ( <i>StudentAttribution</i> 21 or 23)	StudentCensusBlockGroup is not reported.  Student will automatically receive a set allotment, so census block group does not need to be reported.			
Resides in more than one location (e.g. joint custody arrangement)	Determine the StudentCensusBlockGroup for the parent who lives in the attendance zone; if both or neither parent resides in the attendance zone, then the campus chooses which address to use.			
Does not have a physical address available				
because the parent participates in the Address Confidentiality Program (ACP) administered by the Attorney General of Texas	StudentCensusBlockGroup should be based upon the address of the student's campus.			

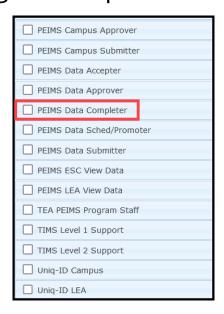
## CENSUS BLOCK GROUP TOOL INSTALLATION

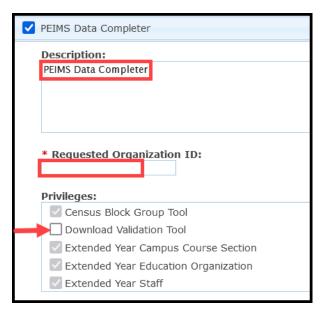


#### Role Required for Access to the Tool



The role of PEIMS Data Completer with Download Validation Tool privileges is required.



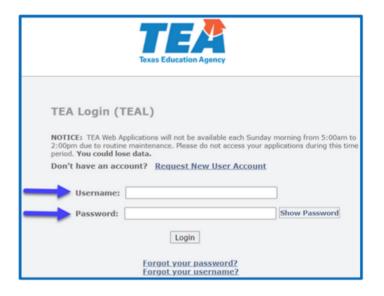


#### Log into TEAL account



#### Procedures – Access the Tool

- Log in to your TEAL account with your username and password.
- Click the TSDS (Texas Student Data System) Portal hyperlink to access the portal landing page.
- Click the Utilities Tab to open the utilities page.

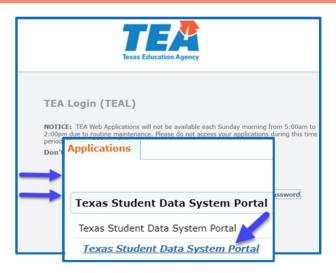


#### Select Texas Student Data System Portal (TSDS)



#### **Procedures – Access the Tool**

- Log in to your TEAL account with your username and password.
- Click the TSDS (Texas Student Data System) Portal hyperlink to access the portal landing page.
- Click the Utilities Tab to open the utilities page.





#### Utilities - Download the Tool





deanna.harris@esc11.net







Unique ID

eDM Data Loads

DMC

**PEIMS** 

**Core Collection** 

Utilities

Support

Home » Utilities

#### **Utilities**

This page provides links to all the TSDS utilities that you are authorized to access.

TSDS tools are downloadable stand-alone applications that your run on your local system to help you ensure your data's quality and manage your data.

Click the button for the utility you wish to download or use.

#### **Download Utilities**



#### **Census Block Group Tool**

The Census Block Group Tool is a utility application that provides the LEAs with a resource to determine a census block group number for each economically disadvantaged student.

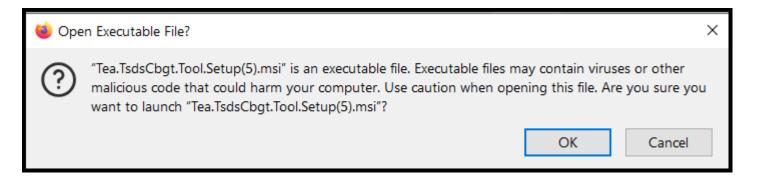
Download Census Block Group Tool Download CBGT Instructions (pdf)

Download CBGT Guide

#### Process – Dowload and Install the Tool

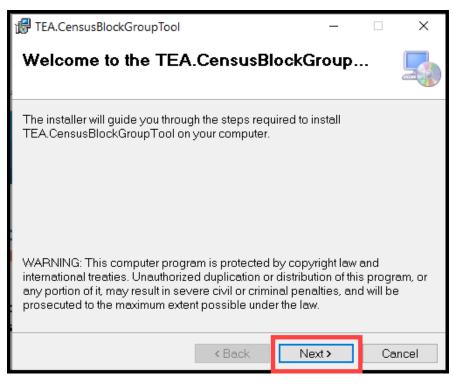


There is an installation issue with the tool. It works properly as long as you install both versions of the tool. A fix will be deployed on 12/6/2024. Until then, download both versions. A pop-up will appear asking if you want to launch the file.

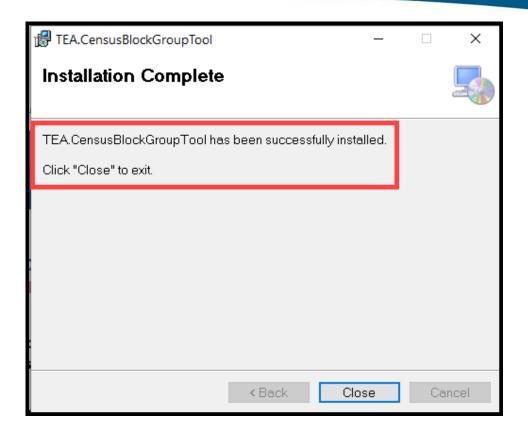




The installer window will guide you through the process.

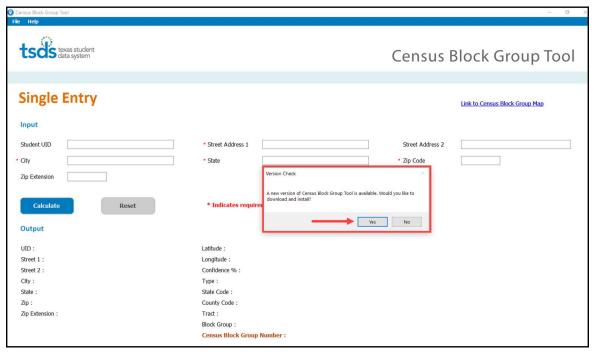




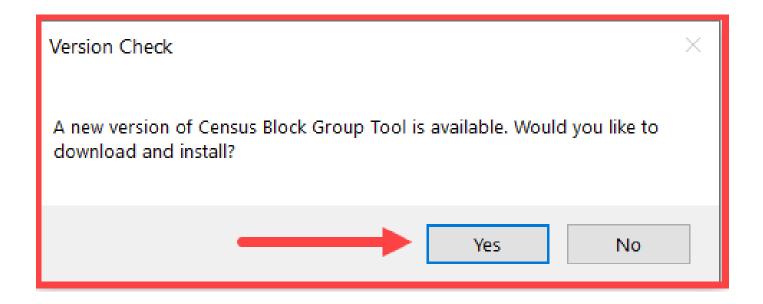




Close the install window and open up your tool. When you do a, version-check window will appear.



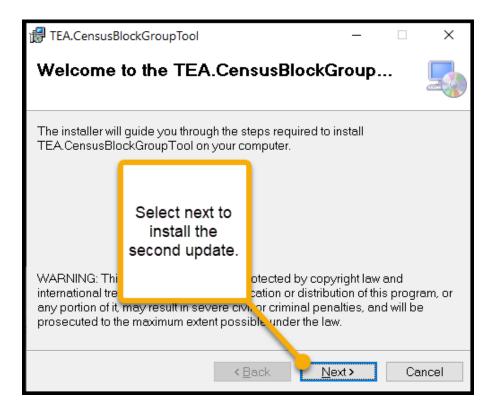


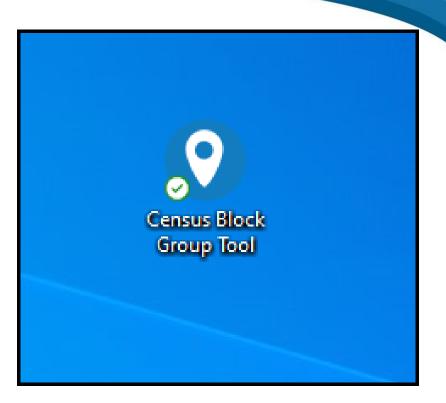




Downloading		
	Once the download completes, the application will close to begin installation.	







## MANUAL SINGLE-ENTRY METHOD



#### Single Entry Method



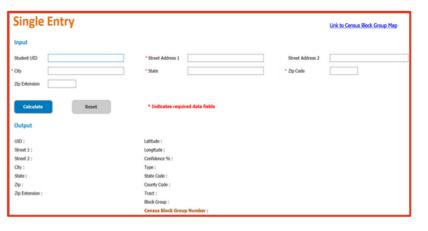
#### **Single Entry Method**

#### Purpose

 To retrieve a single census block group number for a single address.

#### Benefit

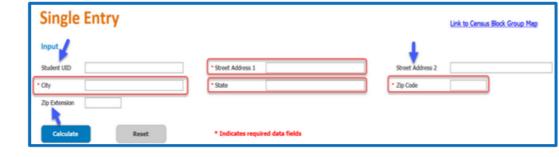
- To avoid doing a bulk data load.
- To avoid the need to create a spreadsheet in CSV file format to retrieve a single census block group number.
  - Scenario: A new student enrolls on campus, and you need a census block group number for this student. Instead of having to wait to do a bulk load, you can open this tool, type in the data in the mandatory fields, and click calculate.





## **Tool's Input Fields & Descriptions**

- Student UID Number that identifies the student in the TSDS Unique ID (UID) system
- Street Address 1\* House number and street name
- Street Address 2 Number of the apartment, unit, suite, etc.
- City\* City name
- State\* State name (Two letter abbreviation)
- Zip Code\* Zip code
- Zip Extension Zip code extension
- \*Asterisks indicate required fields

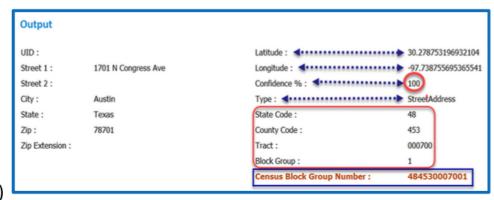




### **Calculation Output Fields & Descriptions**

In addition to the Input fields discussed previously, the **Output** fields include...

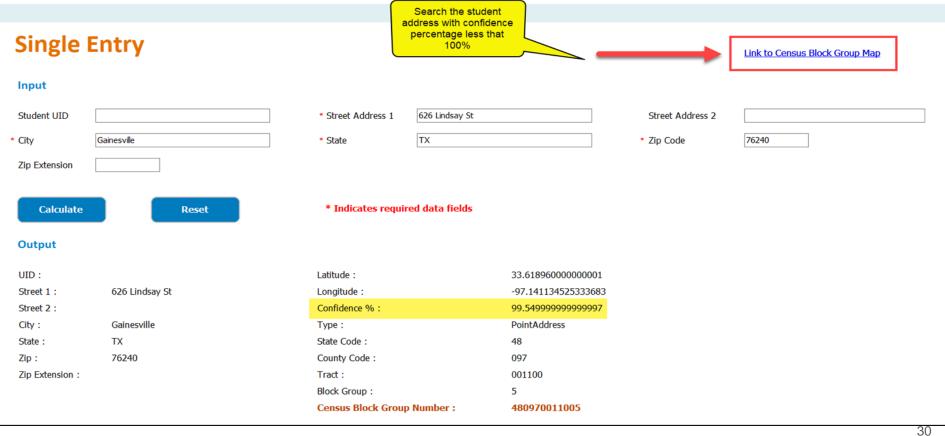
- Latitude X-coordinate of the address
- Longitude Y-coordinate of the address
- Confidence % The degree of confidence for the latitude and longitude
- Type Type of address (point, sub, street, postal, etc.)
- State Code State code
- County Code County code
- Tract Census tract code
- Block Group Block group code
- Census Block Group Number Census block group number (Compiled from state, county, census track, and block group code)





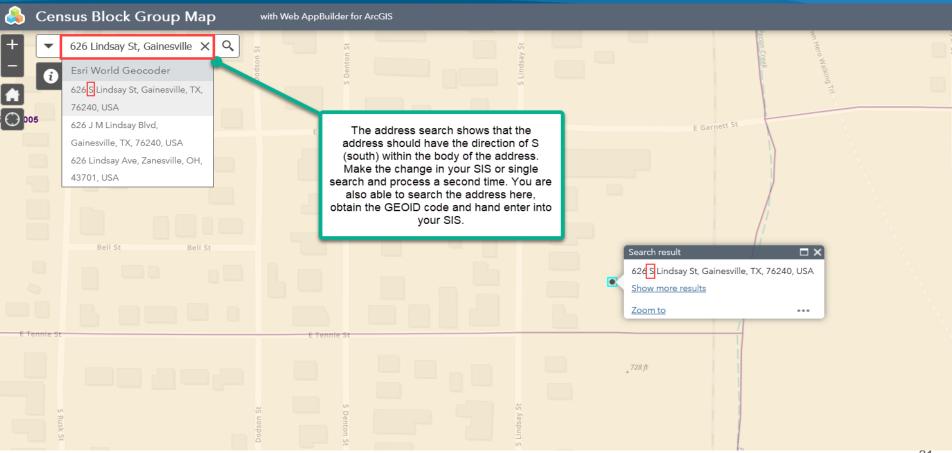
File Help

#### Census Block Group Tool



#### Single Entry Process Demonstration







#### Census Block Group Tool

Single Er	ntry				Link to Census Block Group Map	
Input						
Student UID		* Street Address 1	626 S Lindsay St	Street Address 2		
City	Gainesville	* State	TX	* Zip Code	76240	
Zip Extension						
Calculate	Calculate Reset * Indicates required data fields					
Output						
UID:		Latitude :	33.618960974464784			
Street 1 :	626 S Lindsay St	Longitude :	-97.141125499105968			
Street 2:		Confidence %:	100			
City:	Gainesville	Type:	PointAddress			
State:	TX	State Code :	48			
Zip:	76240	County Code:	097			
Zip Extension:		Tract :	001100			
		Block Group:	5			
		Census Block Group N	umber: 480970011005			

#### Single Entry Process



Once you obtain the student's Census Block Group Number, you should be able to enter the number directly into your school's software.

# MULTI-ENTRY UPLOAD METHOD



#### **CSV FILE ORGANIZATION**



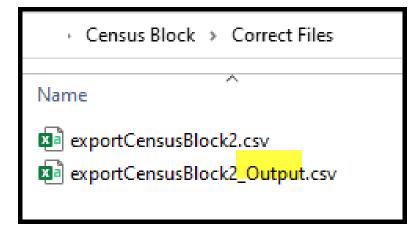
- It's recommended that you create a file folder called Census Block on your computer.
- Place the csv file extracted from your SIS in this folder. When you load your csv file into the Census Block Group Tool (CBGT), the output file will be generated and saved to that folder by the CBGT.
- The output file will also be available to save and open within the Census Block Group Tool.
- If errors are found, you will be able to view them by clicking on the link provided next to the output file.

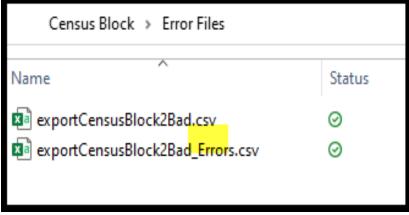
#### CSV FILE ORGANIZATION EXAMPLE



#### Non-error output file

#### Error File





### Upload a file from your software

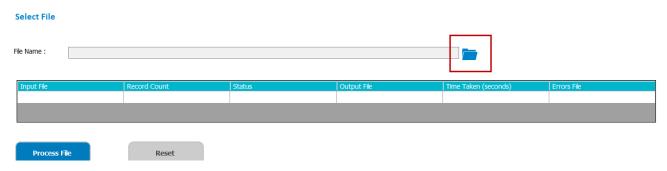


Click on the Census Block Group Tool from your desktop.



 Next, click on the folder and select the .csv file extracted from your software.

#### File Upload

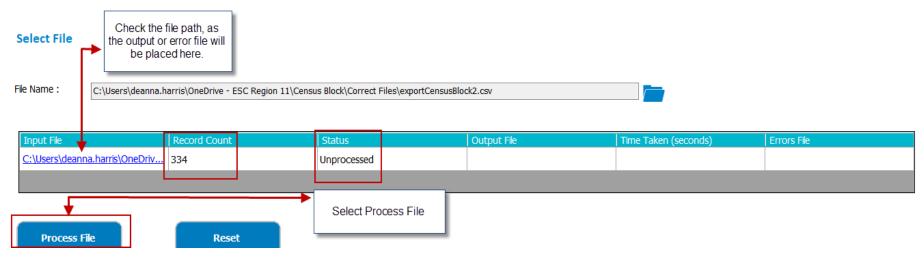


### Upload a file from your software



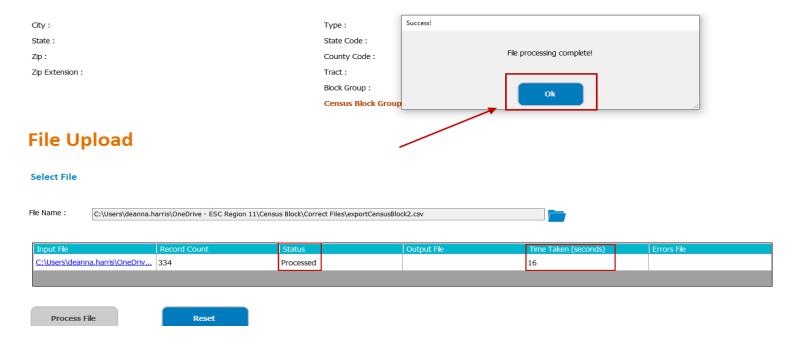
- Check the path of the file and record count.
- Select Process File

#### File Upload





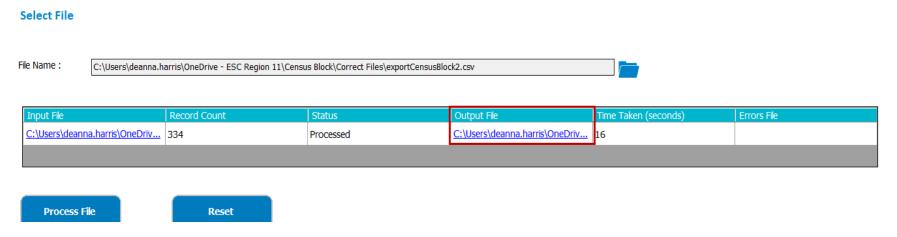
The file has been processed. Click ok to see the output file.





Once your output file has been generated, the Census Block Tool will place it in your census block folder. You may click on the output file from the tool or view in your folder.

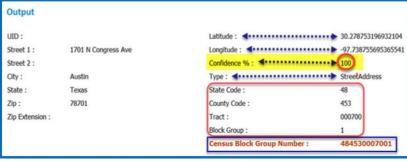
#### File Upload





## Your file is viewable in notepad from the tool. Below is a sample from our test database. The field order is in the blue bordered screenshot.

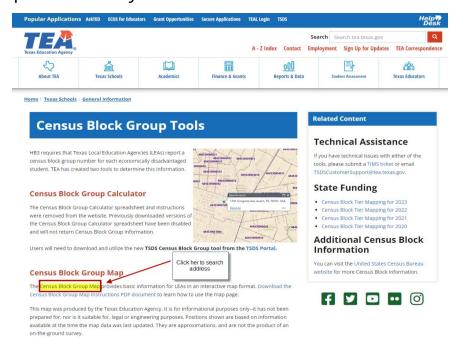
```
File Edit Format View Help
2412122225,55006 FM 920, Alamo City, TX, 35409, 26.18387000000007, -98.12317999999991,75, Locality, 48, 215, 021903, 2, 482150219032
7929885229,1589 Clover Dr,,Alamo City,TX,35409,,33.094312520000074,-96.634683547999941,80,StreetAddress,48,085,031425,2,480850314252
7885983288,1736 Salt Grass Circle, Alamo City, TX, 35409, 31.679244037000046, -102.30403550299997, 76.0499999999997, StreetAddress, 48, 135, 003003, 1, 481350030031
3223927562,2877 Peaceful Lane, Alamo City, TX, 32574, 26.172112500000026, -98.078105249999965, 83. 310000000000002, StreetName, 48, 215, 022113, 2, 482150221132
5868622817,70490 zion hill rd, Alamo City,TX,35409,,26.18387000000007,-98.12317999999991,75,Locality,48,215,021903,2,482150219032
7576993481,17668 Russell Bend Rd, Alamo City, TX, 35409, 30.925346393000041, -100.06650865199998, 81.150000000000006, StreetAddress, 48, 327, 950300, 1, 483279503001
7686783282,22057 Erwin Road, Alamo City, TX, 35409, 26.18387000000007, -98.12317999999991, 75, Locality, 48, 215, 021903, 2, 482150219032
5377259819,1596 Salt Grass Circle, Alamo City, TX, 35409, 31.678806484000063, -102.30598527799998, 76.049999999997, StreetAddress, 48, 135, 003003, 1, 481350030031
2841861854,11417 Erwin Rd,,Alamo City,TX,35409,,32.356336834000047,-95.355293337999967,77.23999999999995,StreetAddress,48,423,001607,2,484230016072
7185842269,882 Salt Flat Ct., Alamo City, TX, 32574, 26.18387000000007, -98.12317999999991, 75, Locality, 48, 215, 021903, 2, 482150219032
7284636838,1372 Saddle Ridge Ct,,Alamo City,TX,32574,,31.09534016200007,-97.702139948999957,80.670000000000002,StreetAddress,48,027,022401,2,480270224012
7854627537,84231 FM 920,,Alamo City,TX,35409,,26.18387000000007,-98.12317999999991,75,Locality,48,215,021903,2,482150219032
2917988496,1848 Salt Grass Circle, Alamo City, TX, 35409, 31.679574657000046, -102.30256735399996, 76.0499999999997, StreetAddress, 48, 135, 003003, 1,481350030031
7468874485,59171 W Hwy 199,,Alamo City,TX,32574,,26.18387000000007,-98.12317999999991,75,Locality,48,215,021903,2,482150219032
5689477688,1806 Big Salty Ln., Alamo City, TX, 32574, 26.1838700000007, -98.12317999999991, 75, Locality, 48, 215, 021903, 2, 482150219032
1264697688,48783 old agnes rd.,,Alamo City,TX,32574,,26.18387000000007,-98.12317999999991,75,Locality,48,215,021903,2,482150219032
```



exportCensusBlock2\_Output.csv - Notepad

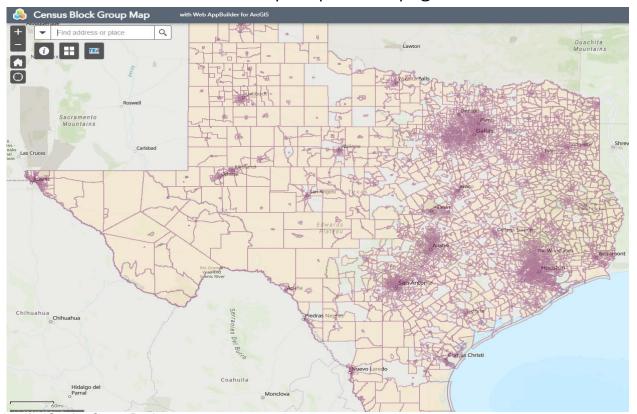


Research any addresses for which the Census Block Group Tool returns a Point or Sub Address with a confidence percentage less than 100%. If the Census Block Group Tool does not return a Point or Sub address, verify the student address using the Census Block Group Map functionality.





#### The Census Block Group Map Search page.



### Confidence Percentage



Addresses that are below 100% confidence level could be due to the street direction error, an FM road listed as a CR (county road), or the city may be incorrect. Any change to an address should be corrected in your software. A new file should be extracted and processed through the Census Block Group Tool to confirm 100% confidence.

This step is very important.

# FILE UPLOAD ERRORS



#### **ERROR EXAMPLES**



City:
State:
Zip:
Zip Extension:

#### File Upload

#### Select File

File Name:

C:\Users\deanna.harris\OneDrive - ESC Region 11\Census Block\Error Files\exportCensusBlock2Bad.csv



Input File	Record Count	Status	Output File	Time Taken (seconds)	Errors File
C:\Users\deanna.harris\OneDriv	334	Invalid File			

Process File Reset



#### File Upload

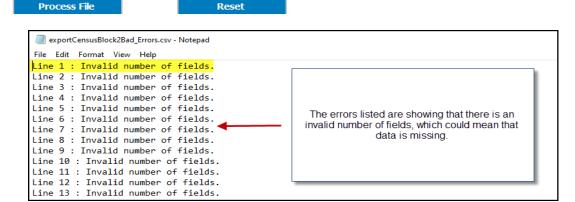
#### Select File

File Name :

C:\Users\deanna.harris\OneDrive - ESC Region 11\Census Block\Error Files\exportCensusBlock2Bad.csv



Input File	Record Count	Status	Output File	Time Taken (seconds)	Errors File
C:\Users\deanna.harris\OneDriv	334	Invalid File			C:\Users\deanna.harris\OneDriv



#### Resources



- Census Block Group Tool Website
- Census Block Group Map Instructions
- Download Census Block Group tool (Log into TSDS Portal)
- Download Census Block Group Tool User Guide (Log into TSDS Portal)
- Link to Census Block Group Map
- If you have Technical issues, please submit a TIMS ticket or email <u>TSDSCustomerSupport@tea.Texas.gov</u>
- Region 11 Website PEIMS

#### Tips & Reminders



- The Census Block Group Tool IDs will not be updated again until the 2030 Census.
- You must delete and reassign census block number each school term.
- For the File Upload entry method, it is recommended not to exceed more than 5,000 records per upload. If you encounter uploading significantly less file counts, submit a TIMS ticket. TEA will not know about a problem unless you report it through TIMS.
- In order to access and download the Census Block Group Tool under the Utilities section in TSDS, you must have the appropriate role.
- The Census Block Group Tool User Guide is a valuable resource. Additional information about creating a .csv file manually is detailed.
- The Census Block Group Tool is not compatible with a Mac computer.

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