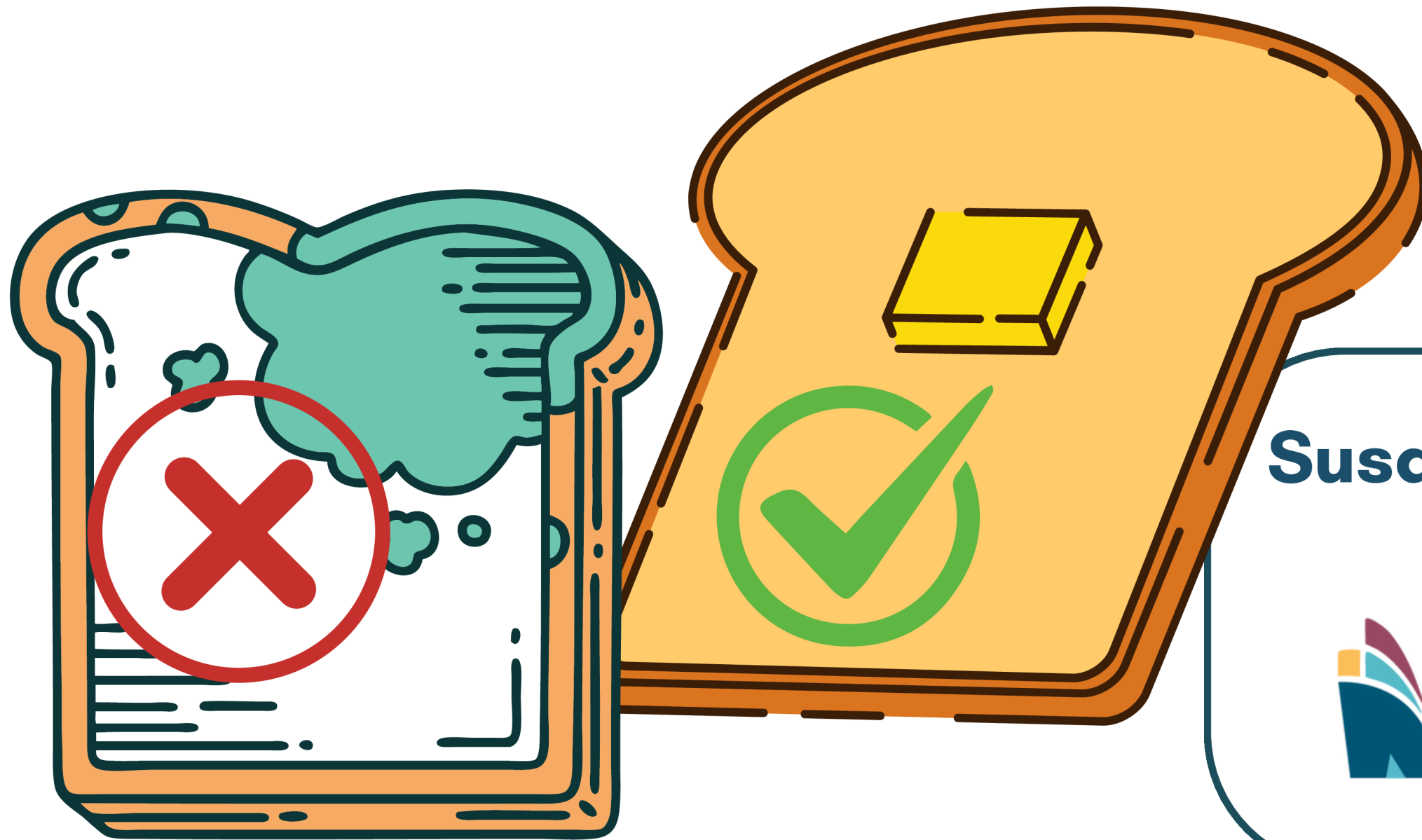


# A Data Mapping Demo of ArcGIS Online from a *Beginner's* Perspective



**Susan Vu Tran Bales (she/her)**  
Data & Program Analyst



MICHIGAN  
**LEGAL HELP**

# What is ArcGIS Online?

Seriously,  
what is it?



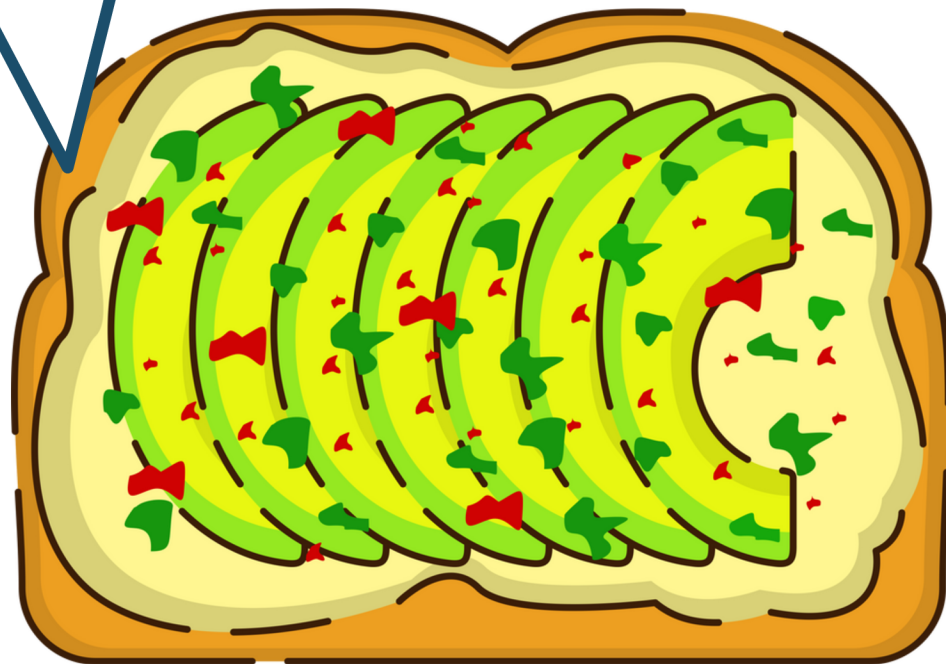
## Accelerate geospatial insights

ArcGIS Online is a secure and scalable software as a service (SaaS) for your geospatial workflows. Improve decision-making by collecting and managing data, analyzing it, and easily sharing maps and apps within a connected and collaborative web geographic information system (GIS).

Source: Environmental Systems Research Institute (Esri), the company that delivers ArcGIS products

# Where?

Link to Michigan Self-Help Finder Map (click here or on the map)



## Look for Other Self-Help Centers Near You

You can use the interactive map below to find the nearest legal self-help centers. **Check if there is a self-help center in the courthouse where you are going to file. Consider using that center even if another center is closer. They may have the best information for your case.**

### Find a Self-Help Center Near You

Find address or place





5

20 mi

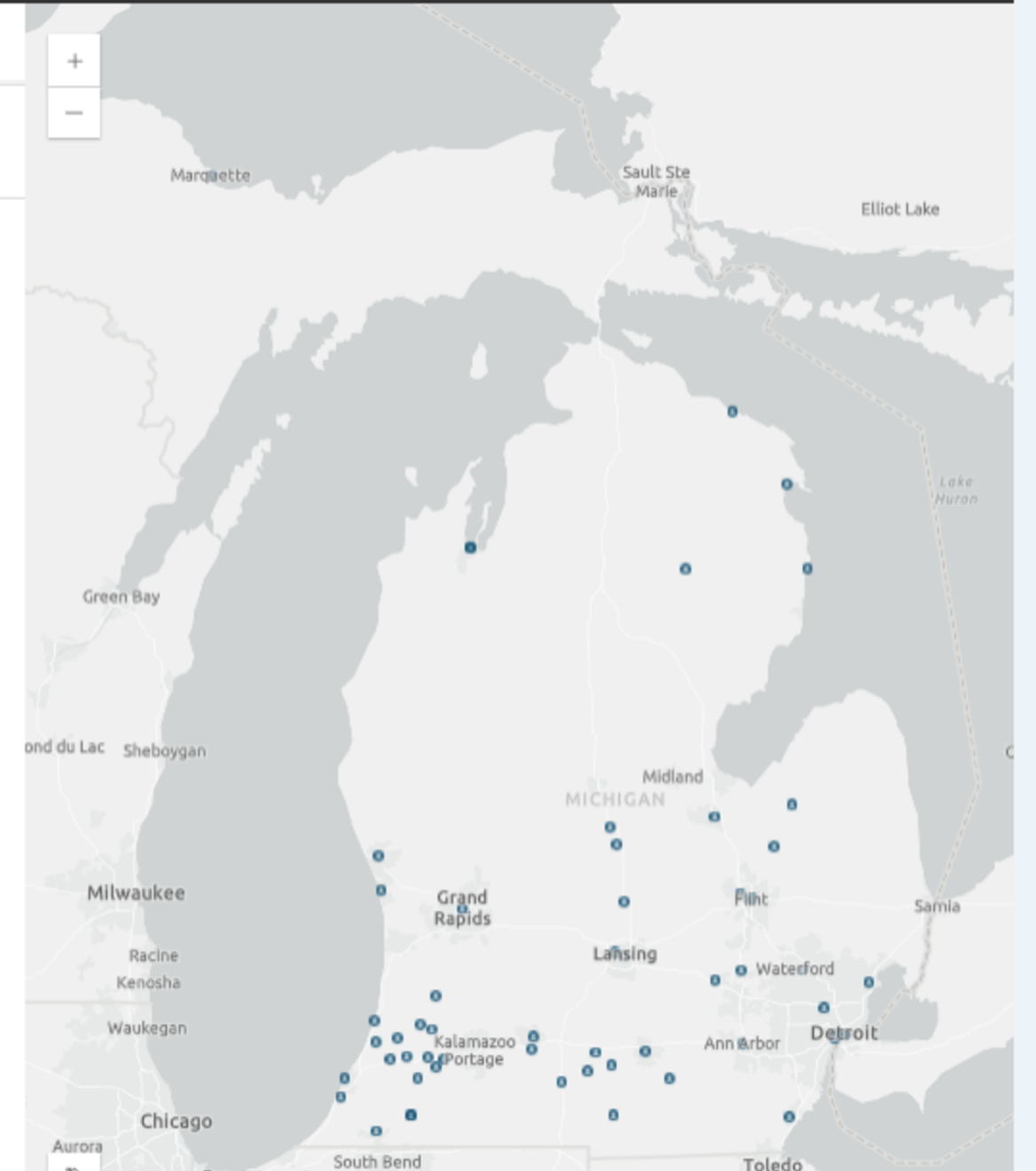
20

#### How to Search the Michigan Self-Help Center Map

- Click on "Find address or place" and type in your city or county and you will see more information.
- Click the  (location dot) on the map and you will see more information about the Center.

**See all of Michigan:** Click on the  (house icon) on the bottom left corner of the map.

**Show instructions:** Click on the  (info icon) on the top right corner.



# Step 1. Apply for a nonprofit ArcGIS account.



## Esri Nonprofit Program

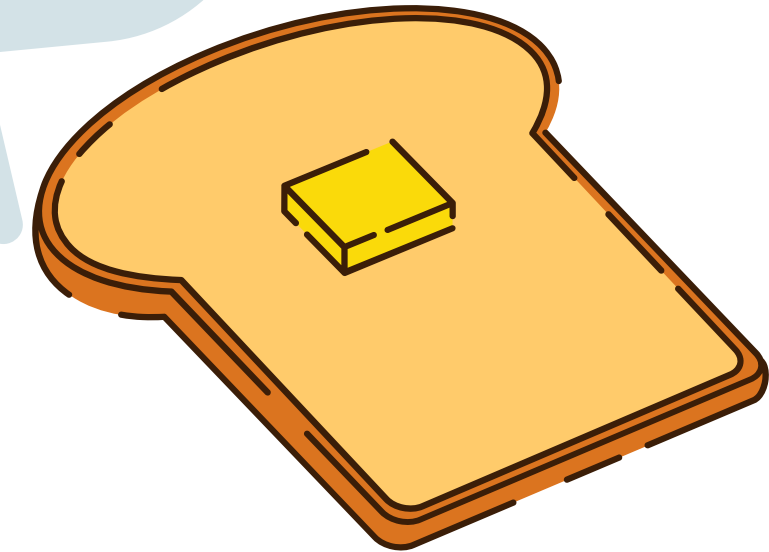
Discounted offers on software, training, and content for nonprofit organizations

[Apply Now →](#)

# Step 2.

I ♥ spreadsheets.

	A	B	C	D	E	F
1	<b>County</b>	<b>Address</b>	<b>Name</b>	<b>Links</b>	<b>Latitude</b>	<b>Longitude</b>



## Save CSV file or Excel file.

- Google Sheets download as Excel or CSV

• In Excel, default saved as Excel Workbook (\*.xlsx)



Save as CSV (Comma delimited) (\*.csv)

### Address to Latitude Longitude

Address

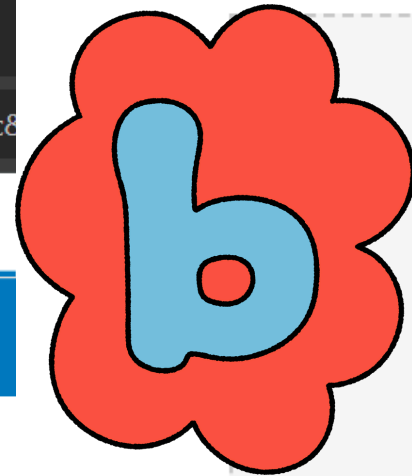
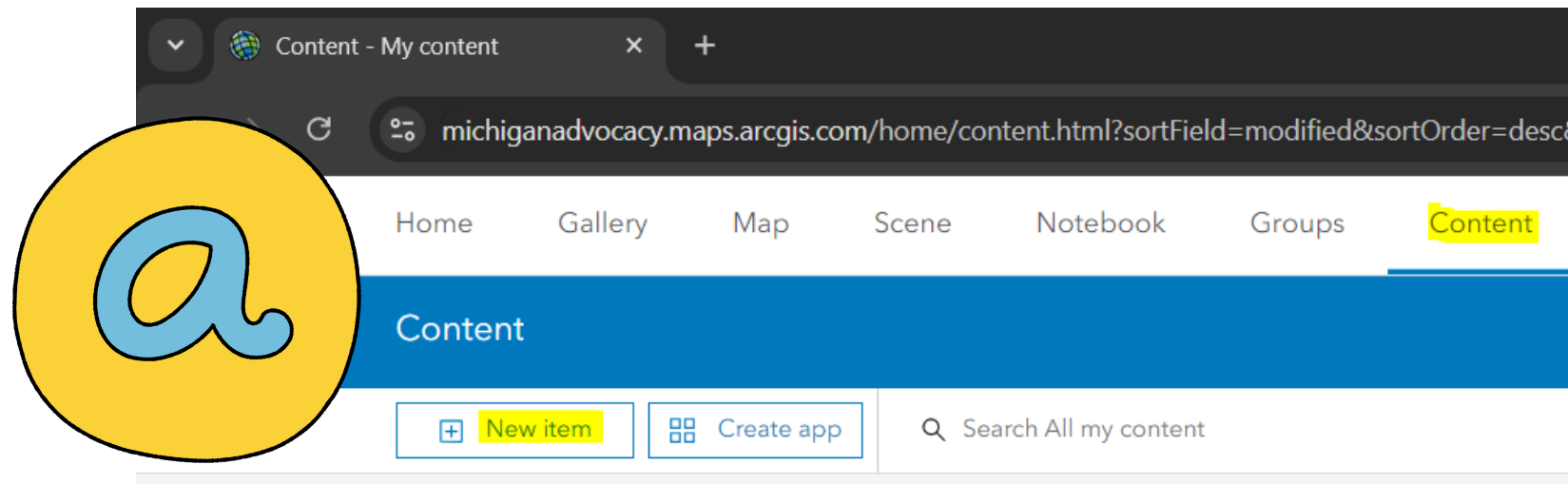
Type Address Here To Get Lat Long

Write city name with country code for better results.

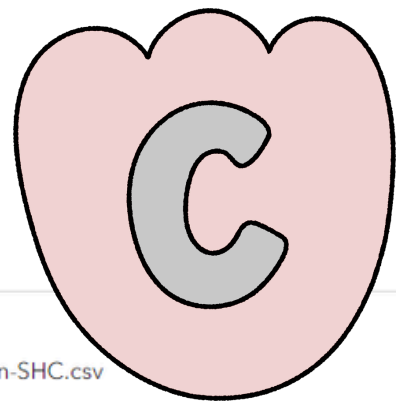
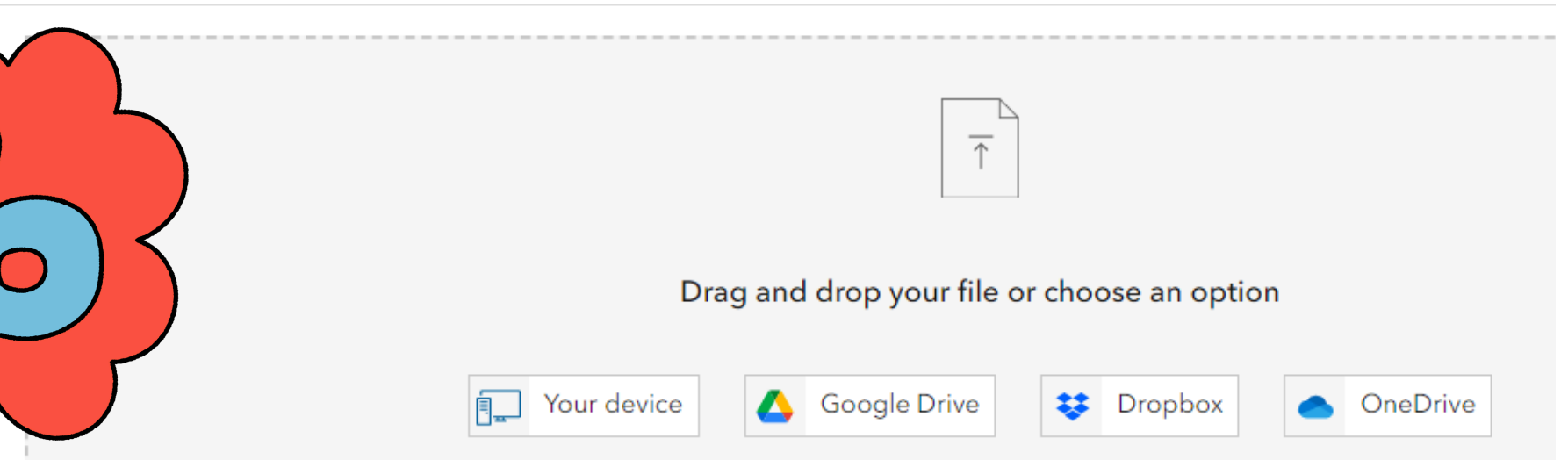
Latitude

Longitude

# Step 3. Upload file - PART 1 of 2



New item ⓘ



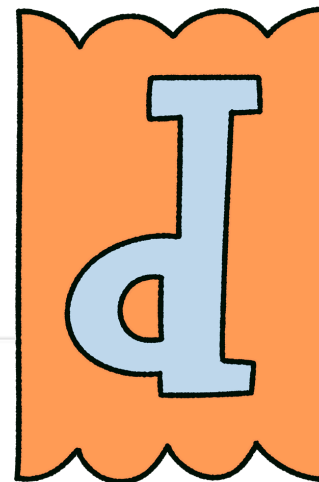
New item

File  
DEMO\_Michigan-SHC.csv

How would you like to add this file?

Add DEMO\_Michigan-SHC.csv and create a hosted feature layer or table

A CSV file with location information is the data source for a hosted feature layer that displays points on a map. A CSV file without location information displays a table that can be viewed, charted, and joined with other layers.



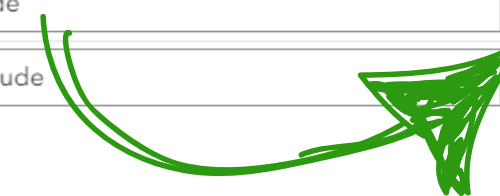
Fields

Select the fields that will be included in the hosted feature layer. Optionally, update the display name and field type.

Search for field

6 selected Clear selection

<input checked="" type="checkbox"/>	Field name	Display name	Type
<input checked="" type="checkbox"/>	County	County	String
<input checked="" type="checkbox"/>	Address	Address	String
<input checked="" type="checkbox"/>	Name	Name	String
<input checked="" type="checkbox"/>	Links	Links	String
<input checked="" type="checkbox"/>	Latitude	Latitude	Double
<input checked="" type="checkbox"/>	Longitude	Longitude	Double



# Step 4. Upload file – PART 2 of 2

## New item

### Location settings

Specify the type of location information the file contains.



Latitude and longitude

Location data is latitude and longitude.

### Location fields \*

Location type

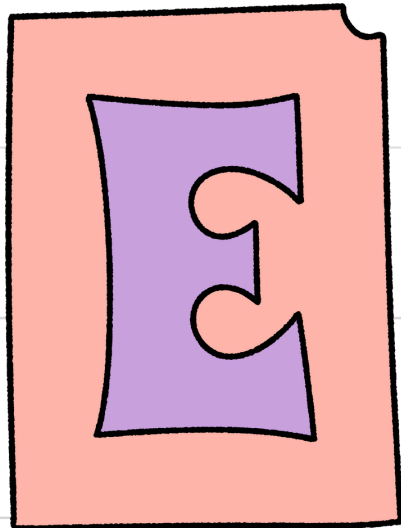
Latitude

Longitude

Field

Latitude

Longitude



## New item

File

DEMO\_Michigan-SHC.csv

Title

DEMO\_Michigan\_SHC

Folder

MAPmapping

Tags

Add tags

Summary

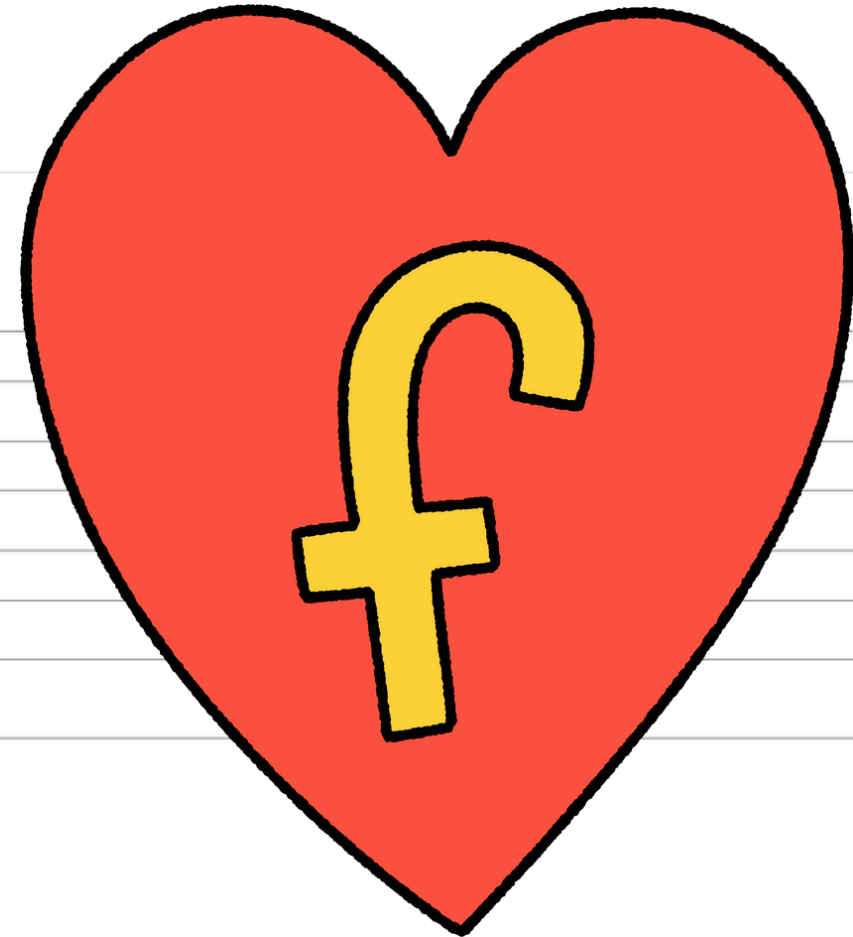
Add a summary

Characters left: 2048

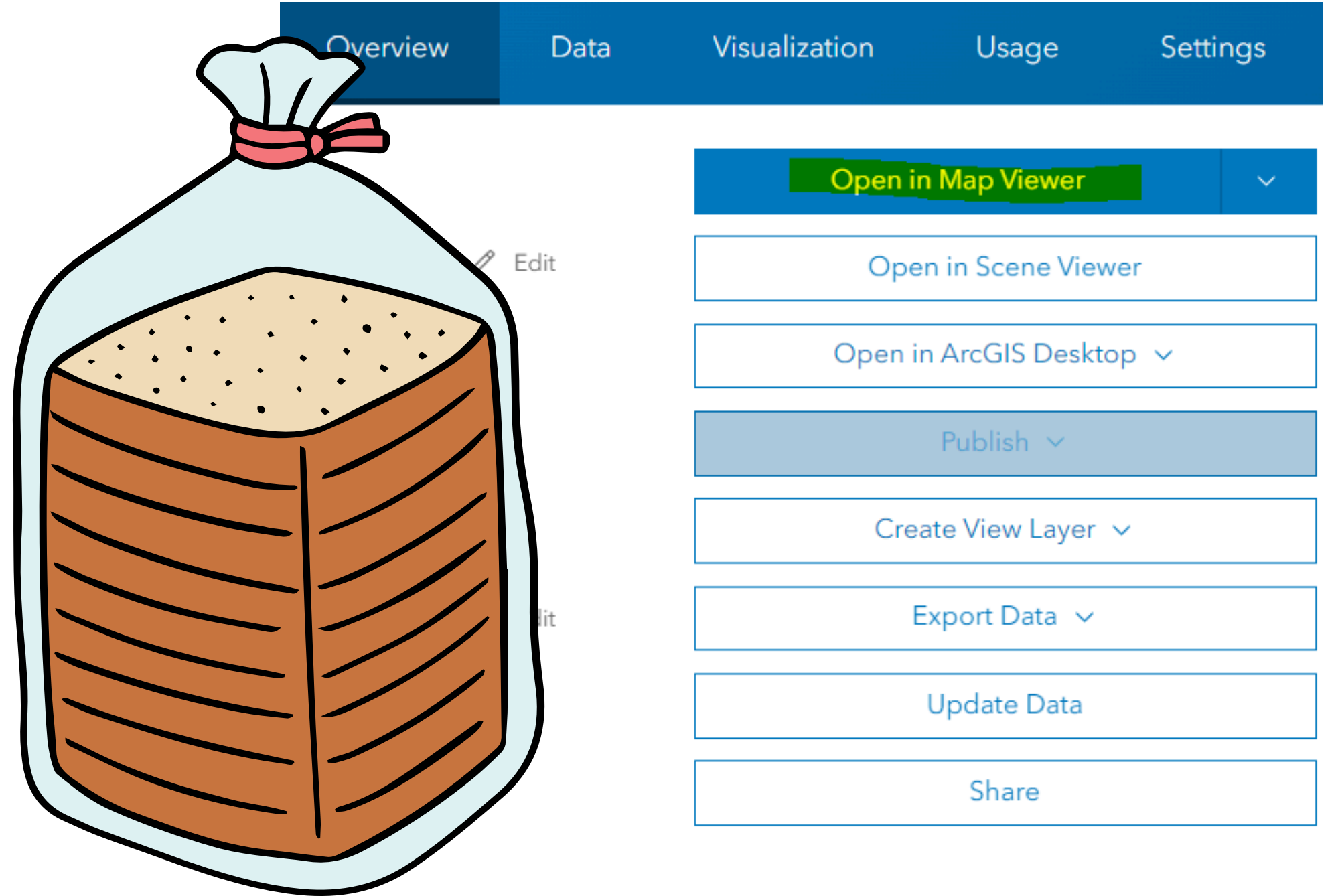
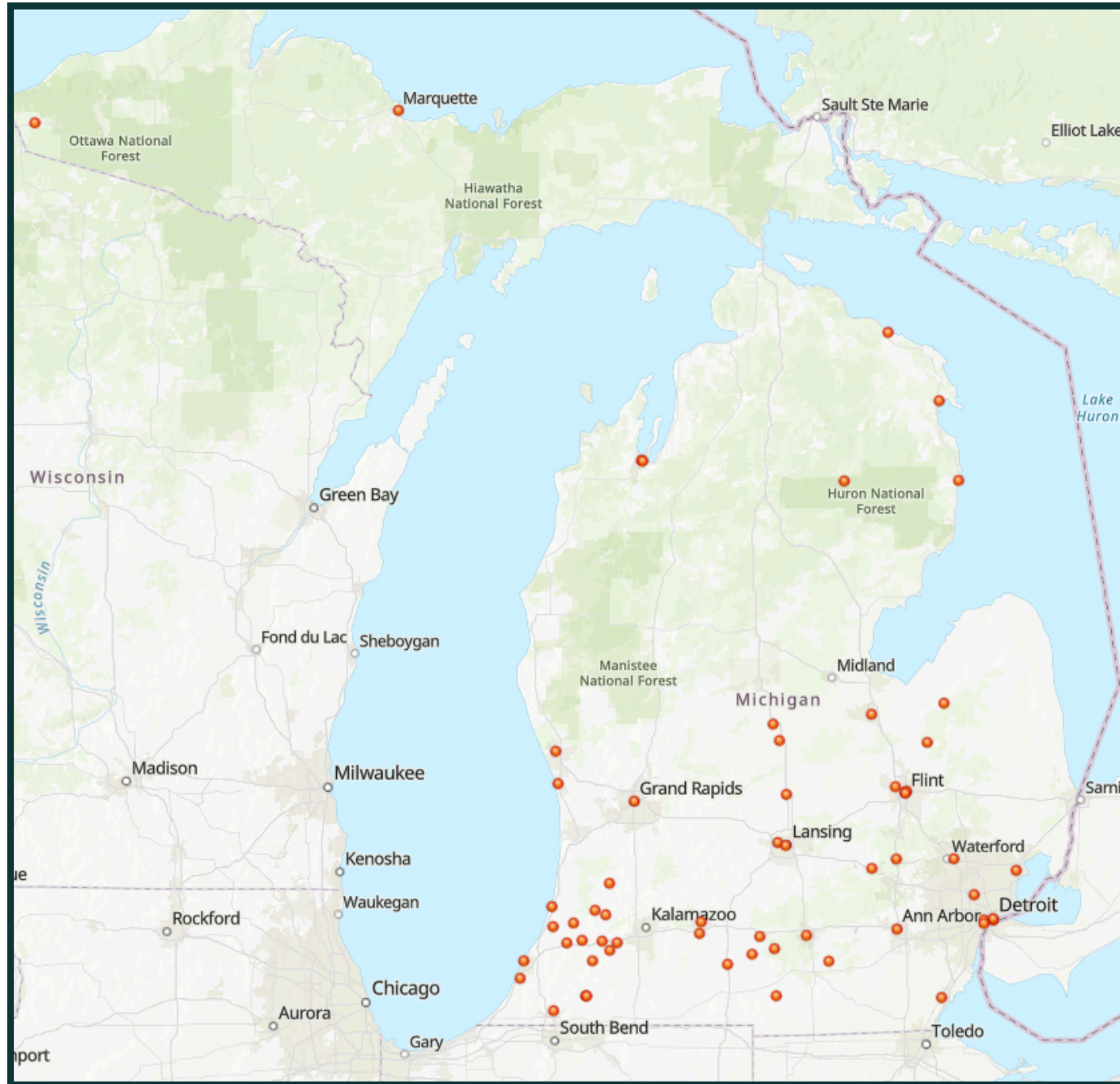
Back

Cancel

Save



# Feature Layer = Bread

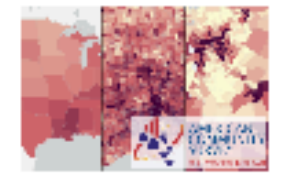




ACS

### ACS Poverty Status Variables - Boundaries

Feature Layer  
Dec 12, 2023



Esri + Add

### ACS Population Variables - Boundaries

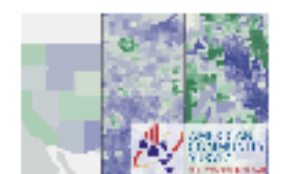
Feature Layer  
Feb 28, 2024



Esri + Add

### ACS Median Household Income Variables - Boundaries

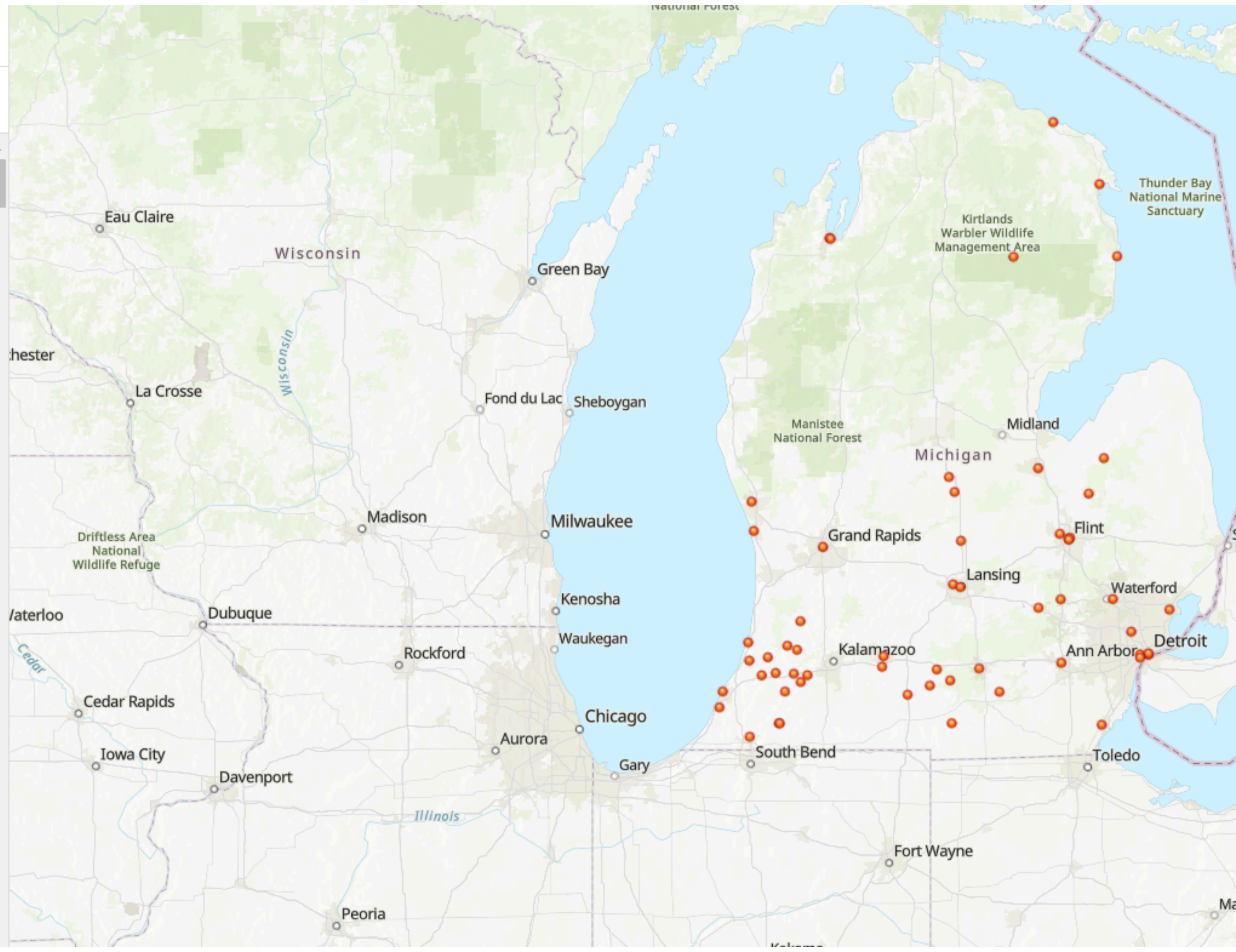
Feature Layer  
Dec 12, 2023

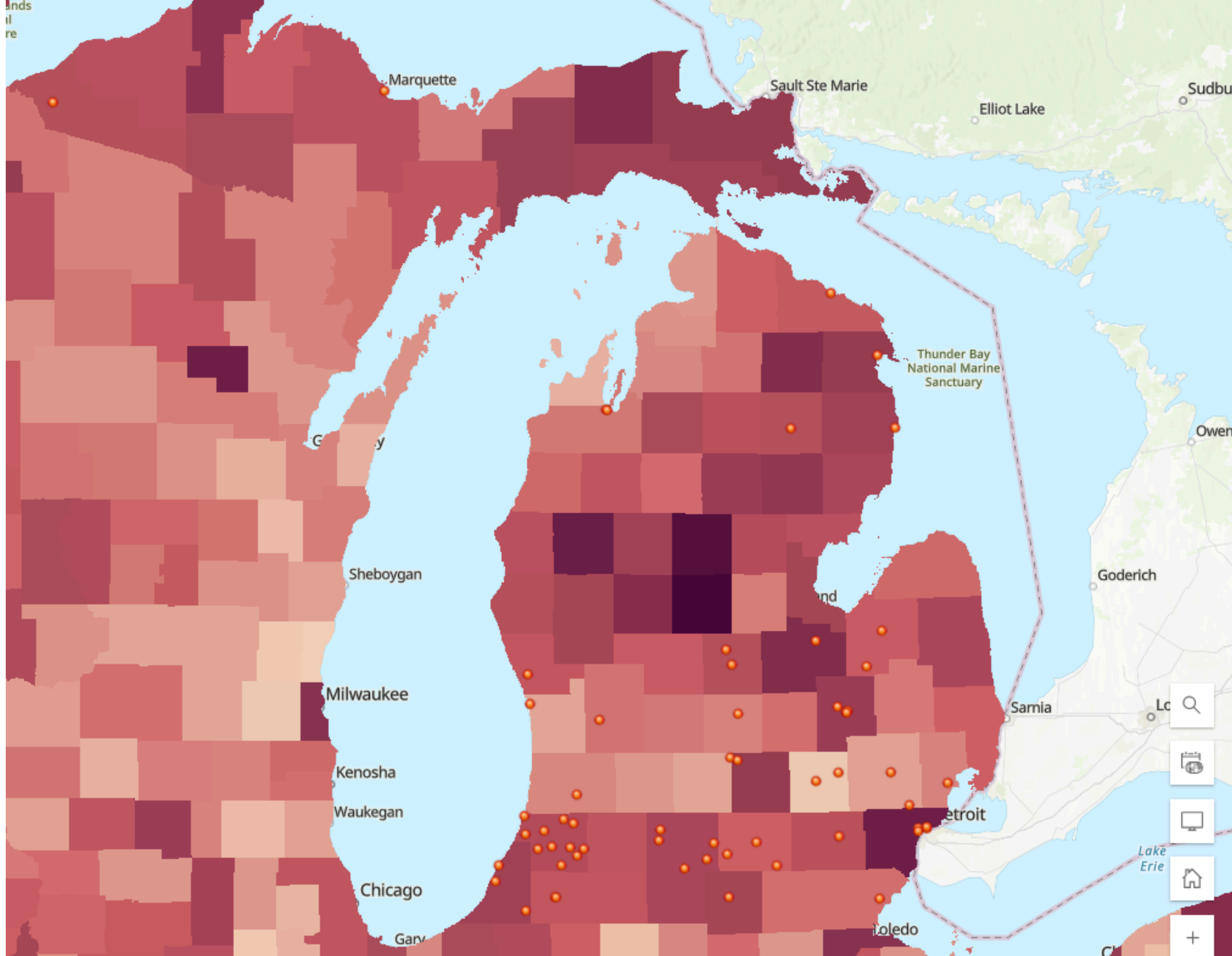


Esri + Add

### ACS Race and Hispanic Origin Variables - Boundaries

Feature Layer  
Dec 12, 2023





ACS Poverty Status Variables - Boundaries

Properties

Use the selector above to switch between layers in the map.

Information

Symbology

ACS Poverty Status Variables - Boundaries

State

Percent of Population whose income in the past 12 months is below poverty level

- < 24%
- < 12% - national average
- < 1%
- No Value

County

Percent of Population whose income in

# Wayne County, Michigan

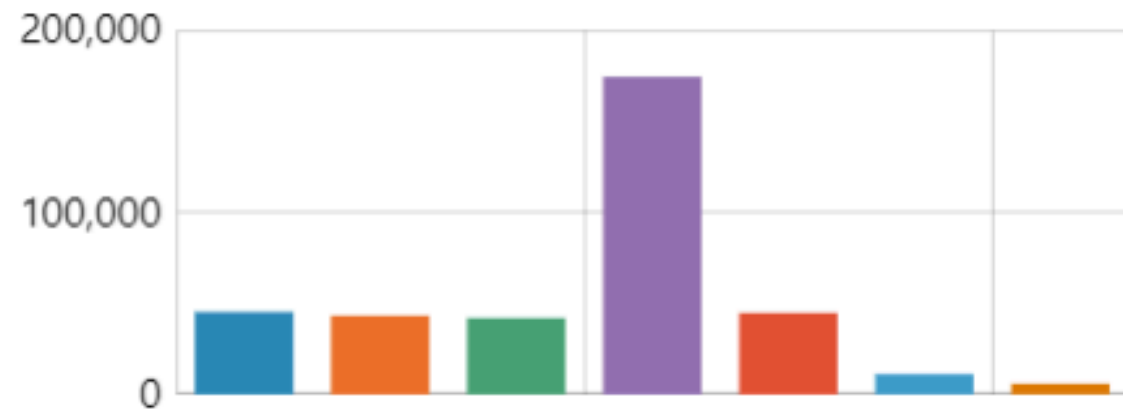


Table Get directions Zoom to

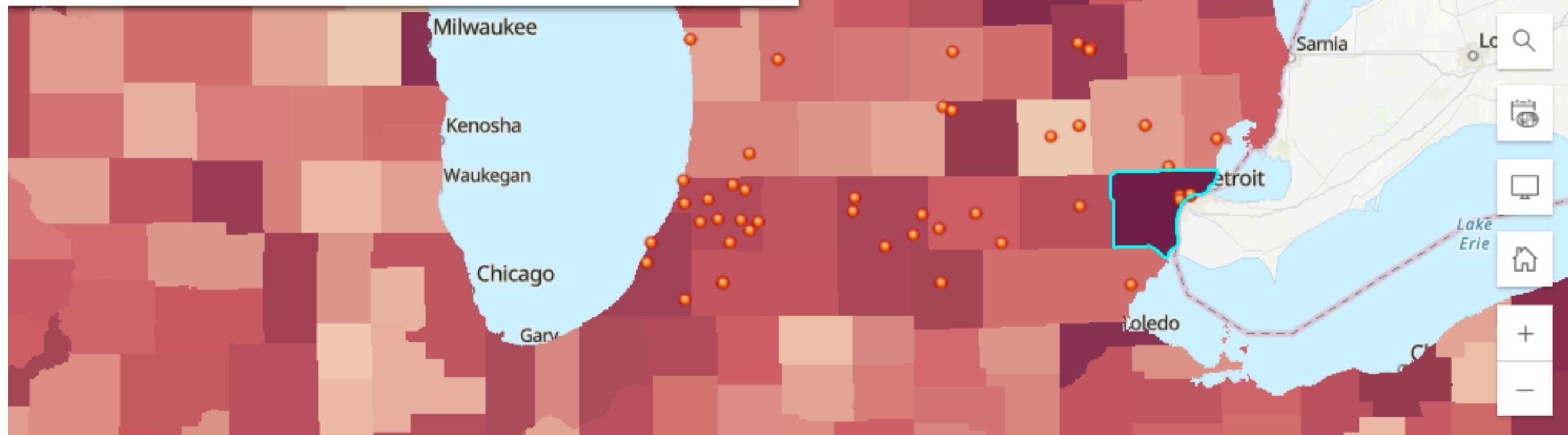
In this area, there are an estimated **1,762,492** people ( $\pm 688$ ) for whom poverty is determined.

Of those, an estimated **355,857** people ( $\pm 6,870$ ) are below the Federal poverty line (approximately **20.2%  $\pm 0.4%$** ).

An estimated **125,841** are children ( $<18$ ) in poverty ( $\pm 3,553$ ).



Population below the poverty level (by age)



## ACS Poverty Status Variables - Boundaries

### Properties

Use the selector above to switch between layers in the map.

### Information

### Symbology

#### ACS Poverty Status Variables - Boundaries

##### State



Percent of Population whose income in the past 12 months is below poverty level



< 24%



< 12% - national average



< 1%



No Value

##### County




Percent of Population whose income in the past 12 months is below poverty level



< 24%



# Instant Apps & StoryMaps


Content **My content** My favorites My groups My organization Living Atlas


+ New item  Create app



**Folders**







- All my content
- MAPmapping
- DEMO**
- MLH-only Acces
- SHC\_Practice
- Recycle bin

 **Instant Apps**   
Choose an app to provide a focused experience using your map.

 Experience Builder  
Use a template or start from scratch to create the exact web experience you want.

 **ArcGIS StoryMaps**  
Tell a story by combining maps with narrative text and media.

 Table  Date modified

	Modified		
 Web Map	Aug 23, 2024		Preview ...
 Feature Layer (hosted)	Aug 22, 2024		Preview ...
 Microsoft Excel	Aug 22, 2024		Preview ...

# Credits

## Location fields \*

- Location information is in one field.
- Location information is in multiple fields.

Location type

Field

Address or Place

Zip\_codes



## Credit estimate

Credits needed: 4.36



0.44%

Credits available: 999.44

**4.36**

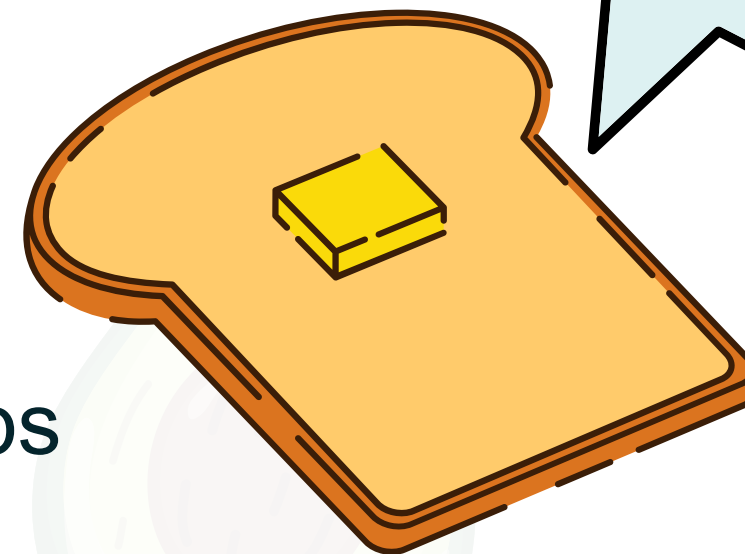
Credits needed

# Links & Resources

- Esri ArcGIS Online (Nonprofit discount)
- Esri Training
- Legal Aid Data & Visualizations site
- LSNTAP Data Specialists Office Hours

## Inspiration

- Self-Represented Litigation Network Storymaps & Dashboard
- EGLE ArcGIS Storymaps



# THANKS!



MICHIGAN

**LEGAL HELP**

**Susan Vu Tran Bales (she/her)**

Data & Program Analyst



[sbales@mplp.org](mailto:sbales@mplp.org)