
Food Solutions: Preventing Waste & Hunger

— Data Aggregation for —
Future Program Implementation

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Food Insecurity*



vs.



United States
Citizens

Shelby County
Residents

**[The USDA's](#) measure of lack of access... to enough food for an active, healthy life ... and limited or uncertain availability of nutritionally adequate foods.*

Food Waste

Up to **40%** of ALL food produced for humans in the US wastes

TN's landfills are at least **21%** food waste, increasing methane emissions

Each US citizen wastes ~\$371 of food each year. In Shelby County, that number would be nearly:

\$348,000,000.00

Current Challenges

MidSouth Food Bank is the main Food Aggregator and Distributor

Not all Food Pantries, Soup Kitchens, or Services are able to work with them

Individual donations and grassroots campaigns attempt to fill gaps

Logistical barriers can prevent the involvement of willing donors, such as restaurants, grocers, and other food retailers

School/volunteer farms may lack an appropriate outlet for excess production

Potential Solution - Redirecting Food

Considerations

Encouraging participation without burdening participants

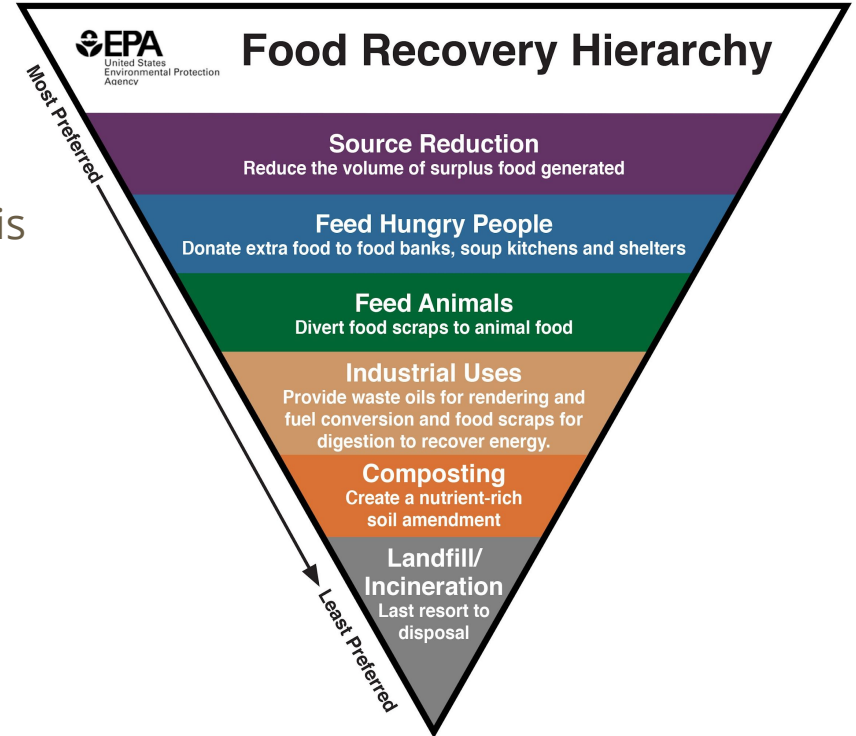
Multiple organizations already addressing this

Challenges

Logistical supply-chain challenges

Success harder to measure for multiple pursuits

Current system relies heavily on 1 organization



Goals

Identify potential **opportunities** for improving current infrastructure

Minimize food **waste** by diverting surplus supplies to organizations fighting food insecurity

Empower other groups' **education** and implementation with information

Spark larger **conversations** in the Memphis metro area about:

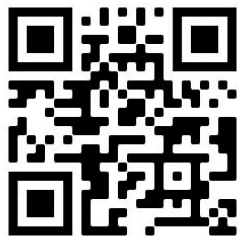
- Food Insecurity
- Food Waste
- Community-based Solutions

Our Approach

Create a map-based record of key players & data elements pertaining to Memphis' local food system

- Food Producers, Distributors, & Suppliers
 - Farmer's Markets, CSA's, Urban Farms/Food Gardens
 - Fresh Grocery Retailers
 - Restaurants
- Organizations Serving Food Insecure Communities
 - Food Pantries
 - Soup Kitchens
 - Shelters & Community Centers
- Data Elements
 - Food Deserts
 - Poverty Data
 - Transit Data

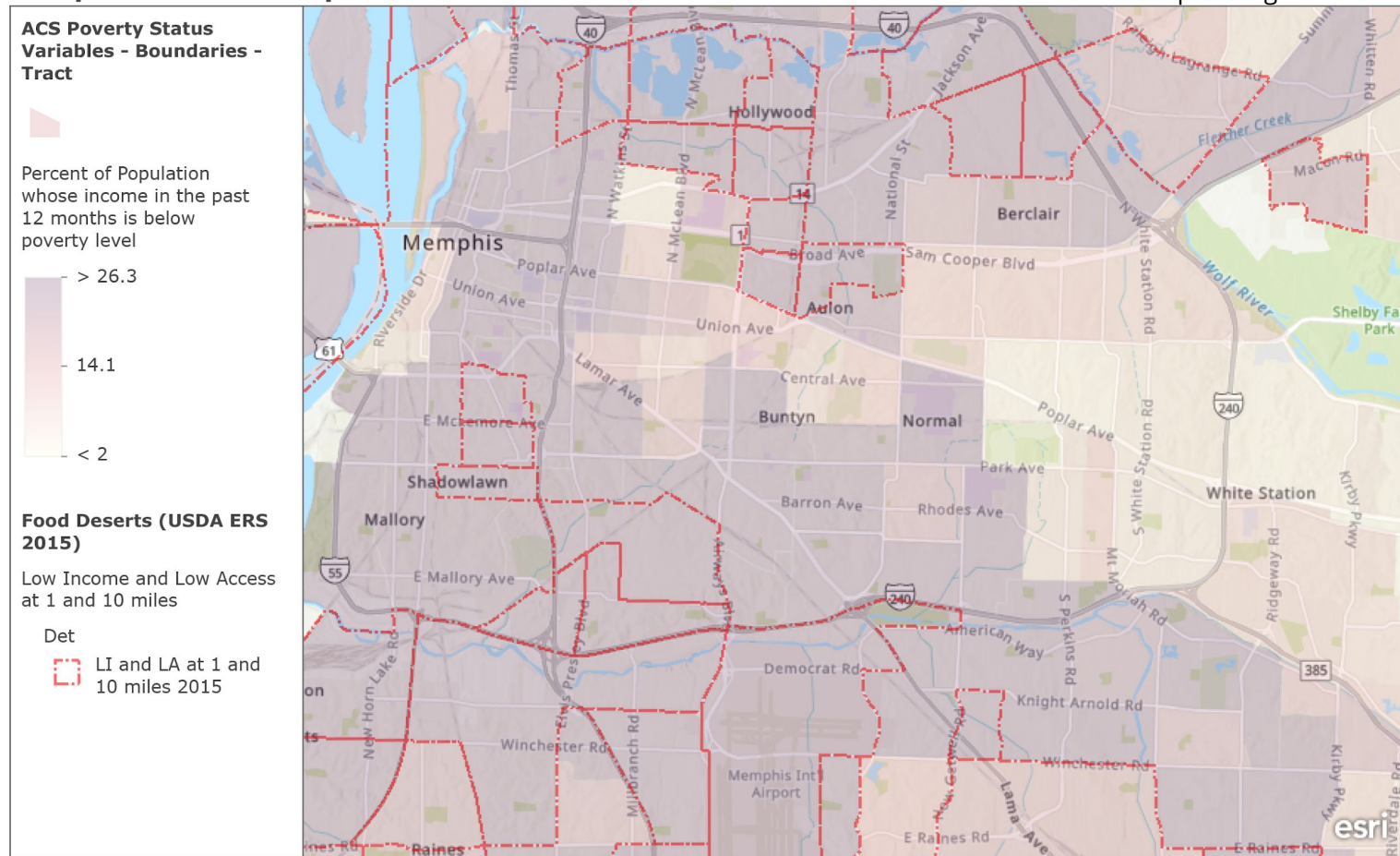
Map



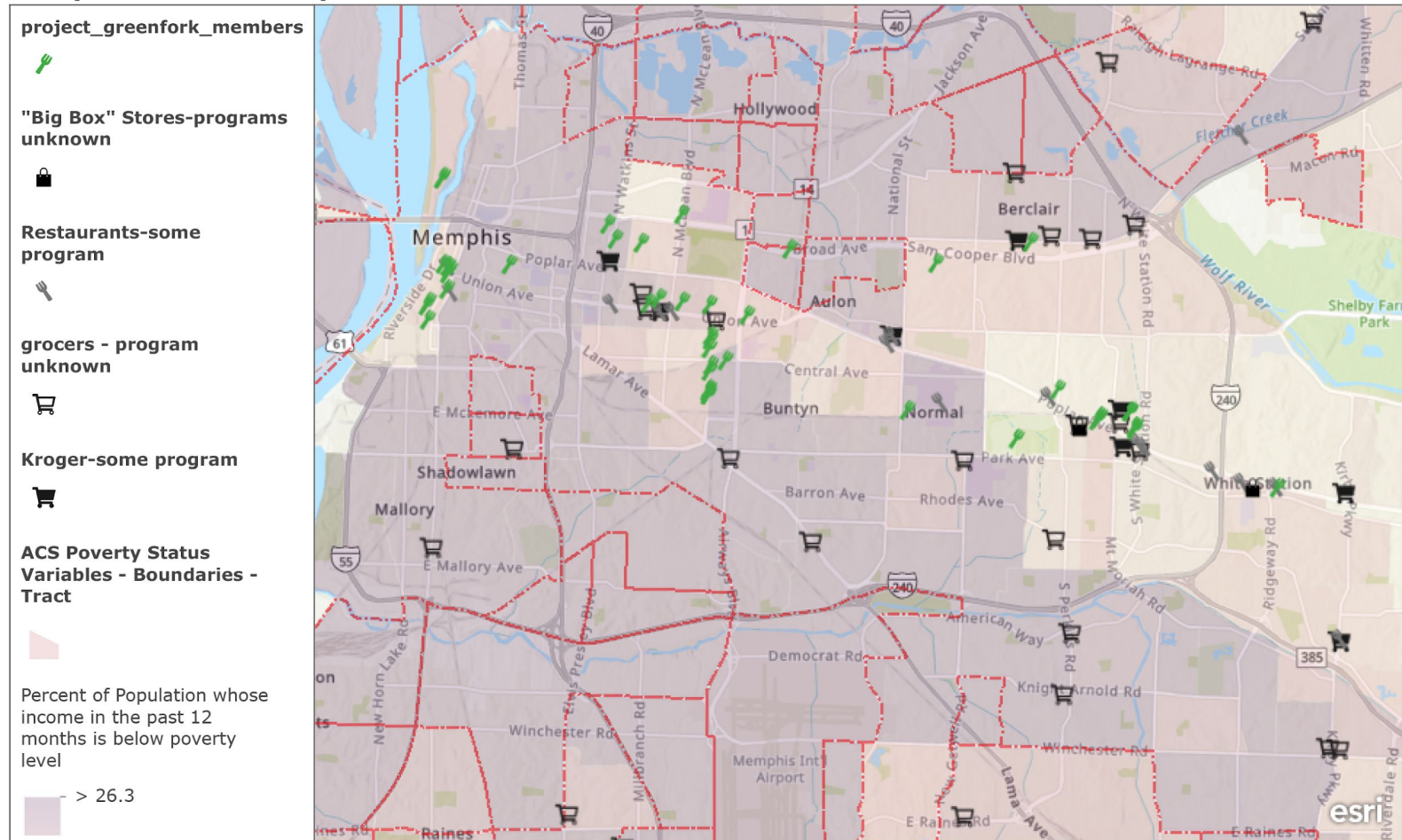
Zip codes —
38126, 38105,
38108, and
38106, with
average median
household
income of
\$19,107 a year

MemphisFoodAccessMap2.0

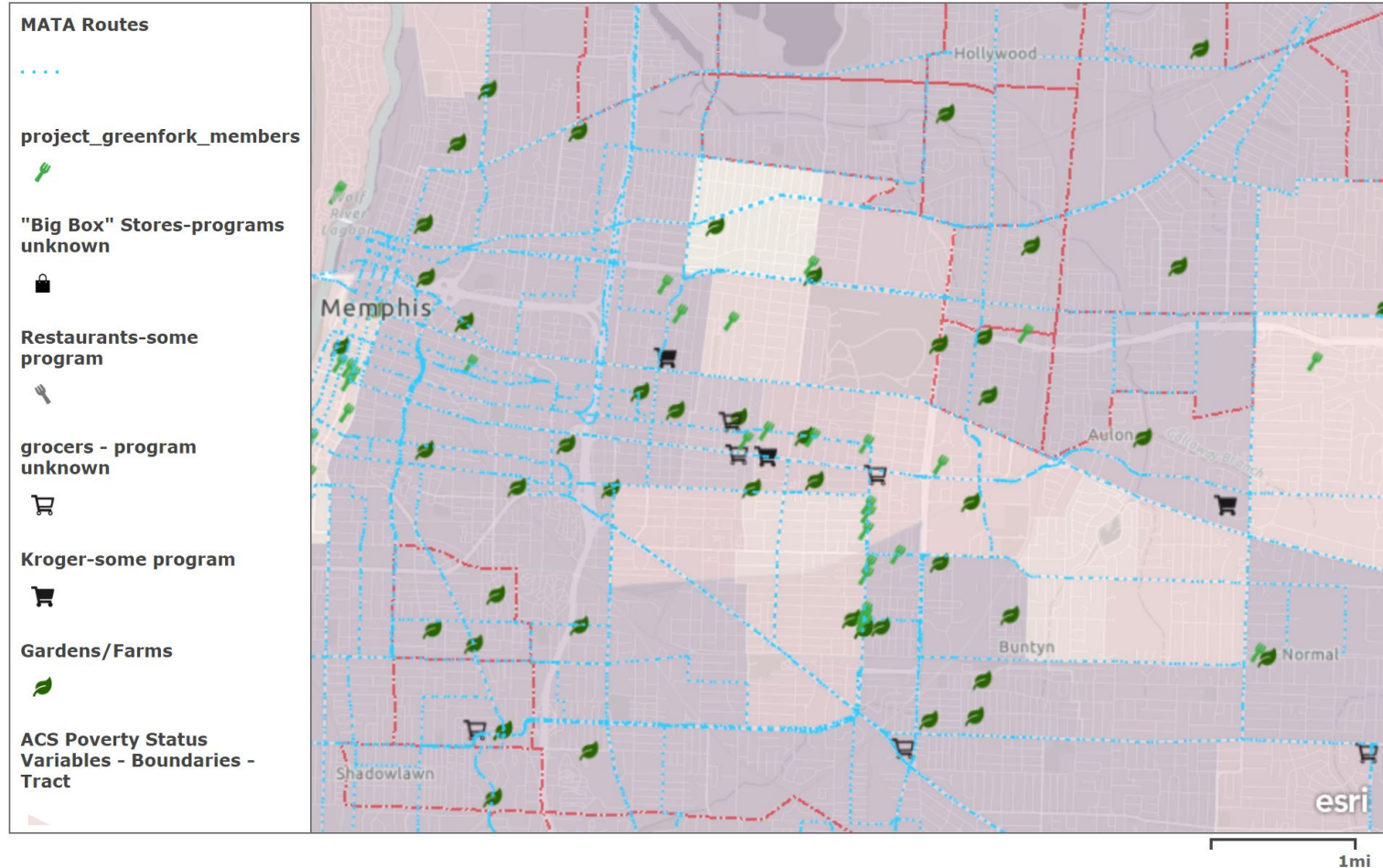
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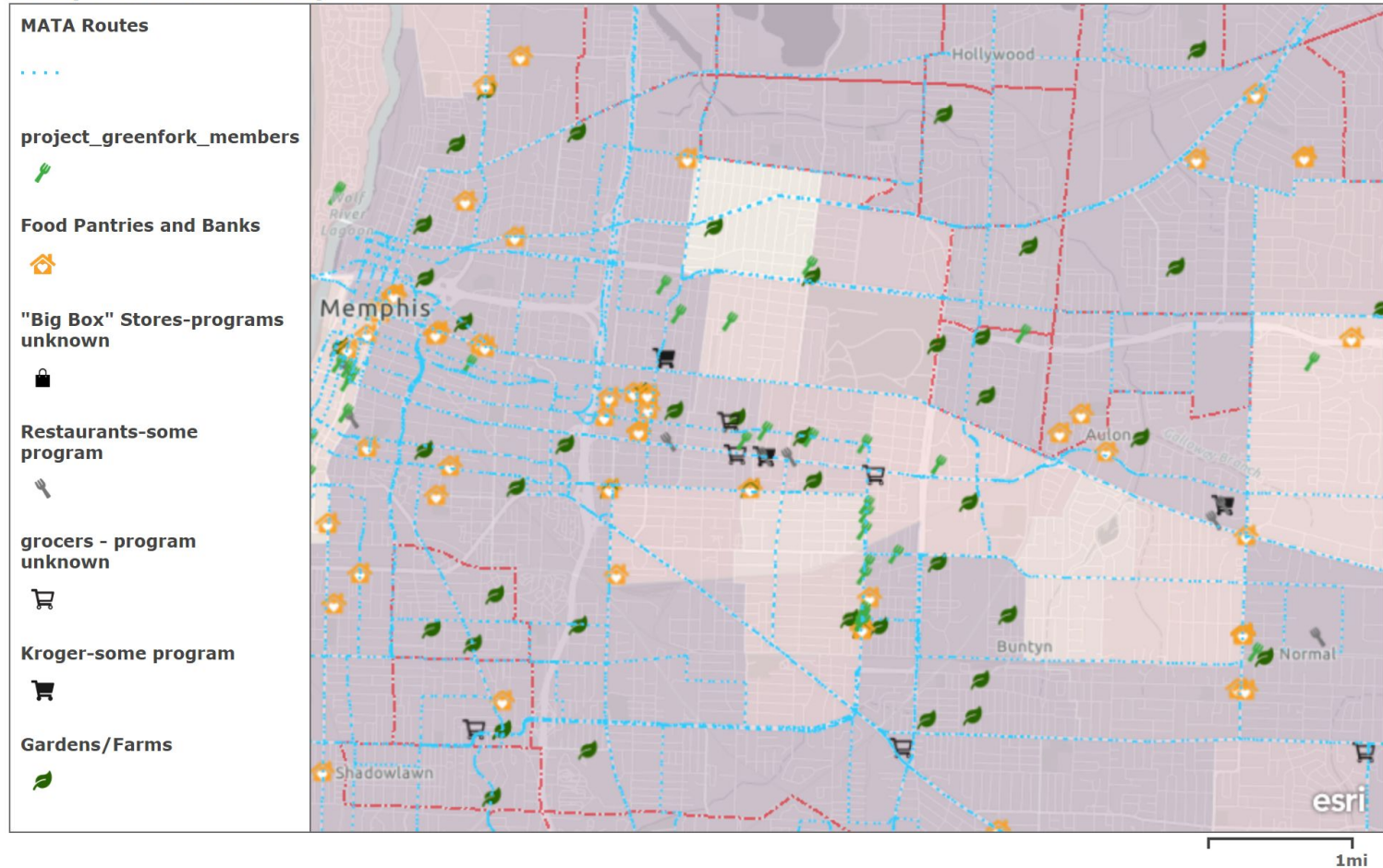
MemphisFoodAccessMap2.0



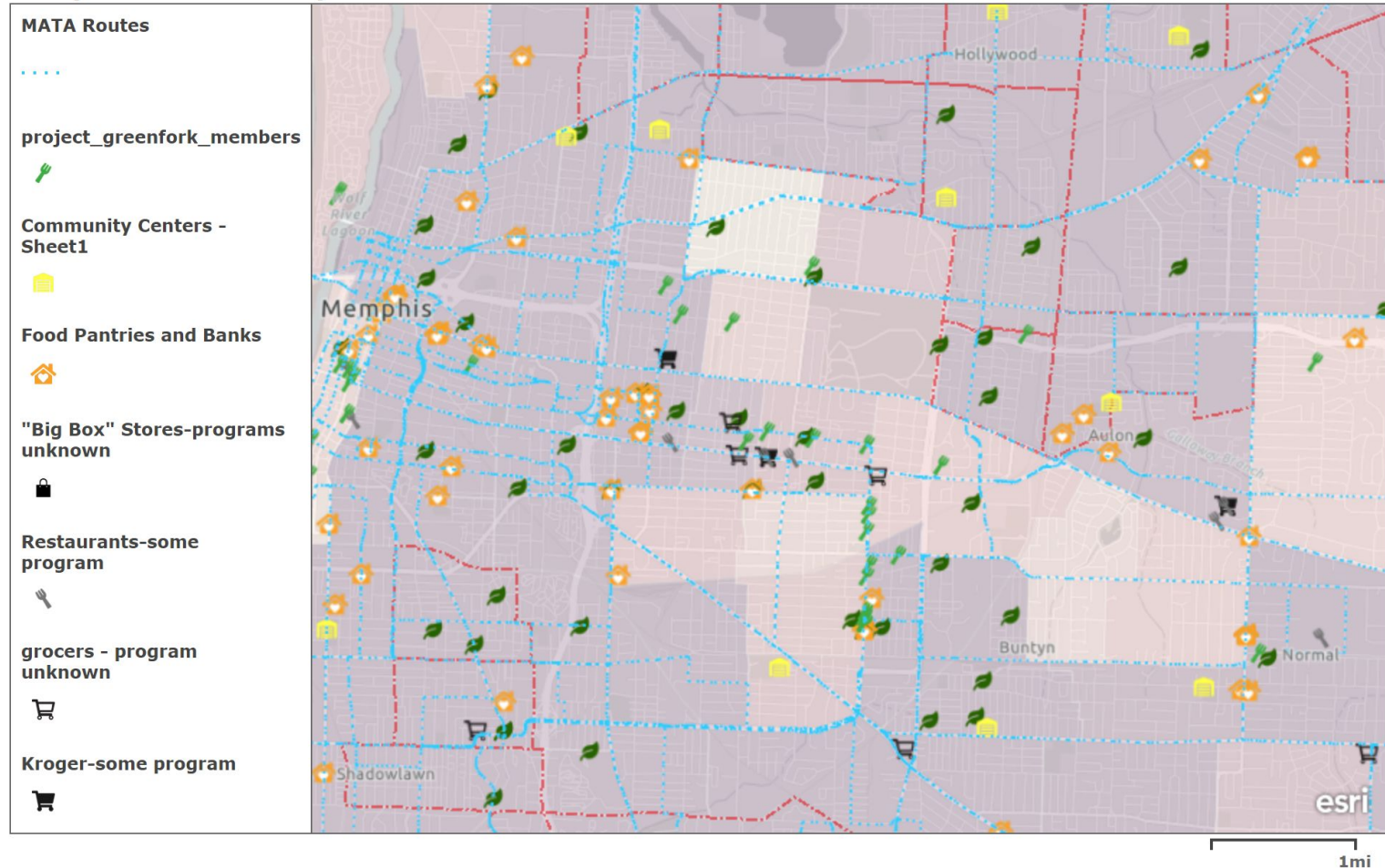
MemphisFoodAccessMap2.0



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Takeaways & Next Steps

Connect with Robert Onstad (MidSouthFoodBank & MealConnect) and Ashley Cabrera (GetFoodSmartTN)

Suggest **MealConnect** from Feeding America & **Food Rescue US** apps as options

Encourage everyone today to participate via **PLEDGE** and **CHALLENGE**

Prompt others to build on map: communities verify additional retailers & restaurants
Suggested uses: educational outreach, community projects, funding applications

