

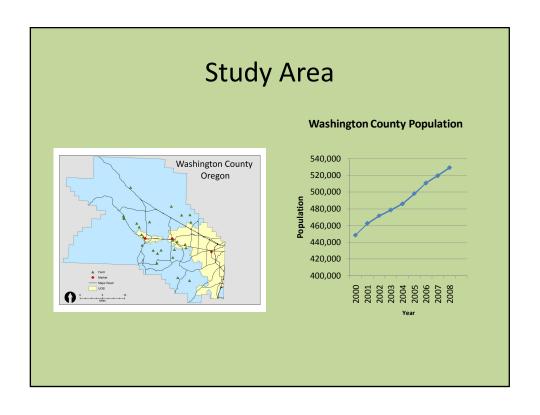
Photo: Martha Works

Locating a Farmers Market in Washington County

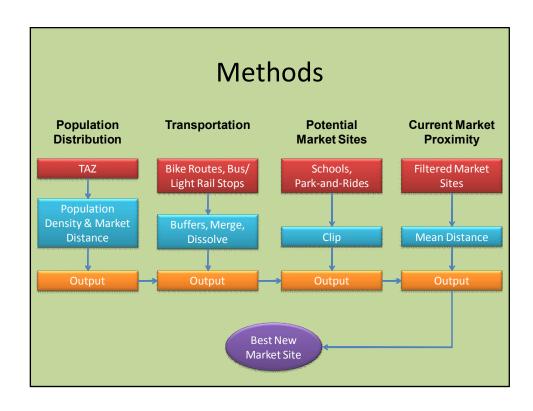
Joshua Cousins, Josh Mohr, and Tim Houchen March 11, 2010

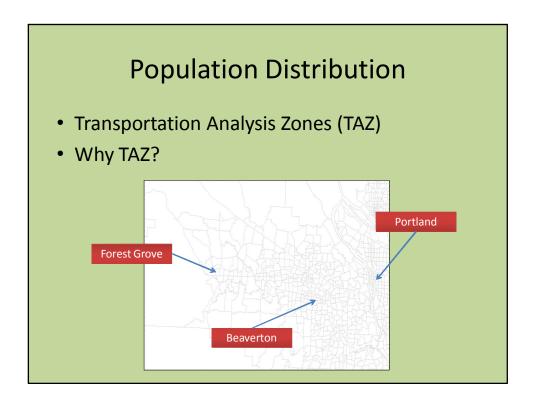
Research Question

 What is the best site for a new farmers market in Washington County?



Information Needed Population Numbers TAZ Farms Portland CSA Coalitions, Farmers Market Websites Farmers Markets Market Websites Accessibility RLIS Candidate Sites RLIS





Population Distribution Issue

• TAZ Would <u>NOT</u> Rasterize AAAGGGHHHHH!!!!!!

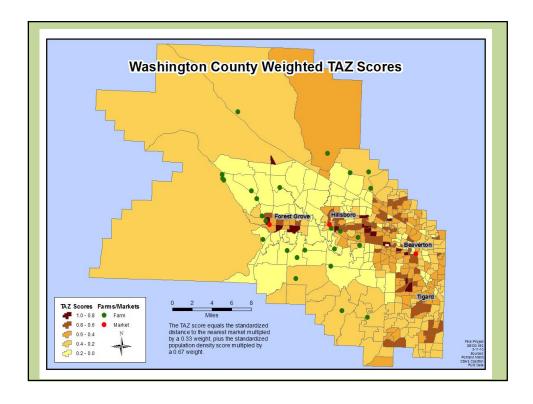


Population Distribution Issue Plan "B"

- Step 1
 - Centroids
- Step 2
 - Near
 - Split 3 Sections
- Step 3
 - Formula (Each Section Separate)

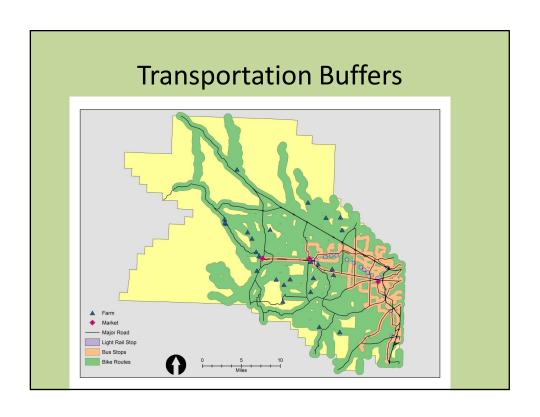
TAZ Score = (Each TAZ Population Density/Overall Density) * 0.67 +

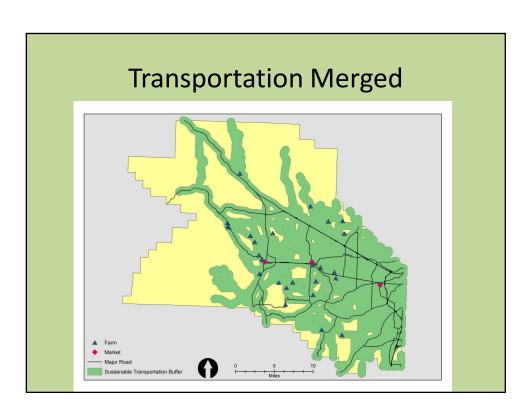
(Each TAZ Distance/Overall Distance) * 0.33



Transportation: Why sustainable transportation?

- Equal access: Not everyone owns a vehicle and many depend on alternative forms of transportation such as bike and bus.
- Helps increase the sustainability of local food by reducing the amount of car traffic to and from the market.

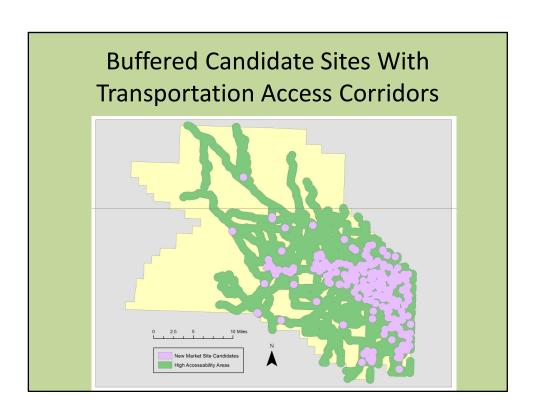


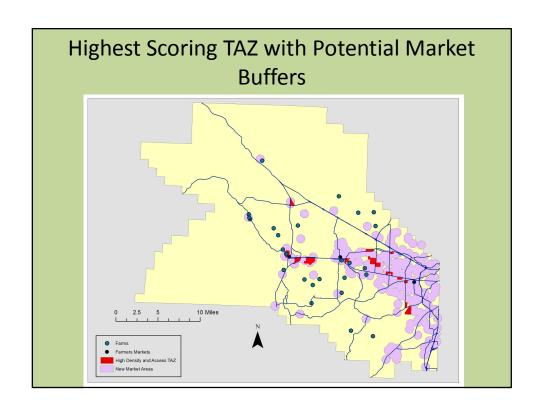


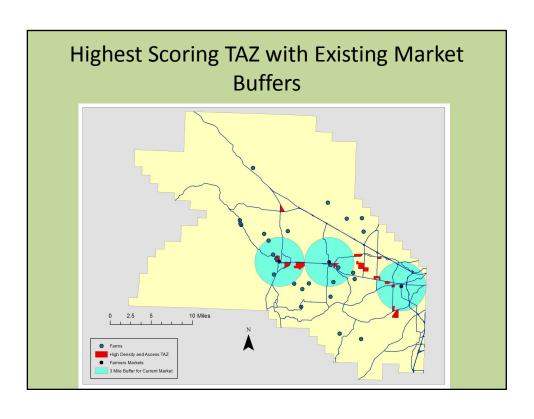
Candidate Market Sites

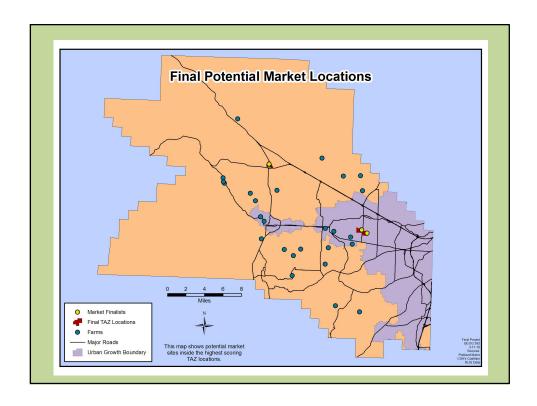
Criteria: Unserved populations; broadly accessible; adequate market space; not conflict with current markets

- Schools and Park and Rides
- Parks? No, inadequate data
- Outside 3 mile radius of current markets
- Near bike route corridors and transit stops











Final Thoughts

- Raster Conversion Issues
- TAZ Density and Distance Weighting
 - 0.67 and 0.33, Other Options?
- Other market sites (Parks, Shopping Malls, Non-Paved Areas?)

Sources

- Portland Metro
 <u>http://www.oregonmetro.gov/index.cfm/go/by.web/</u>
 id=24876/level=1
- RLIS Data at Portland State University
- Beaverton, Hillsboro, and Forest Grove Farmers' Markets
- Portland CSA Coalition

Questions?