

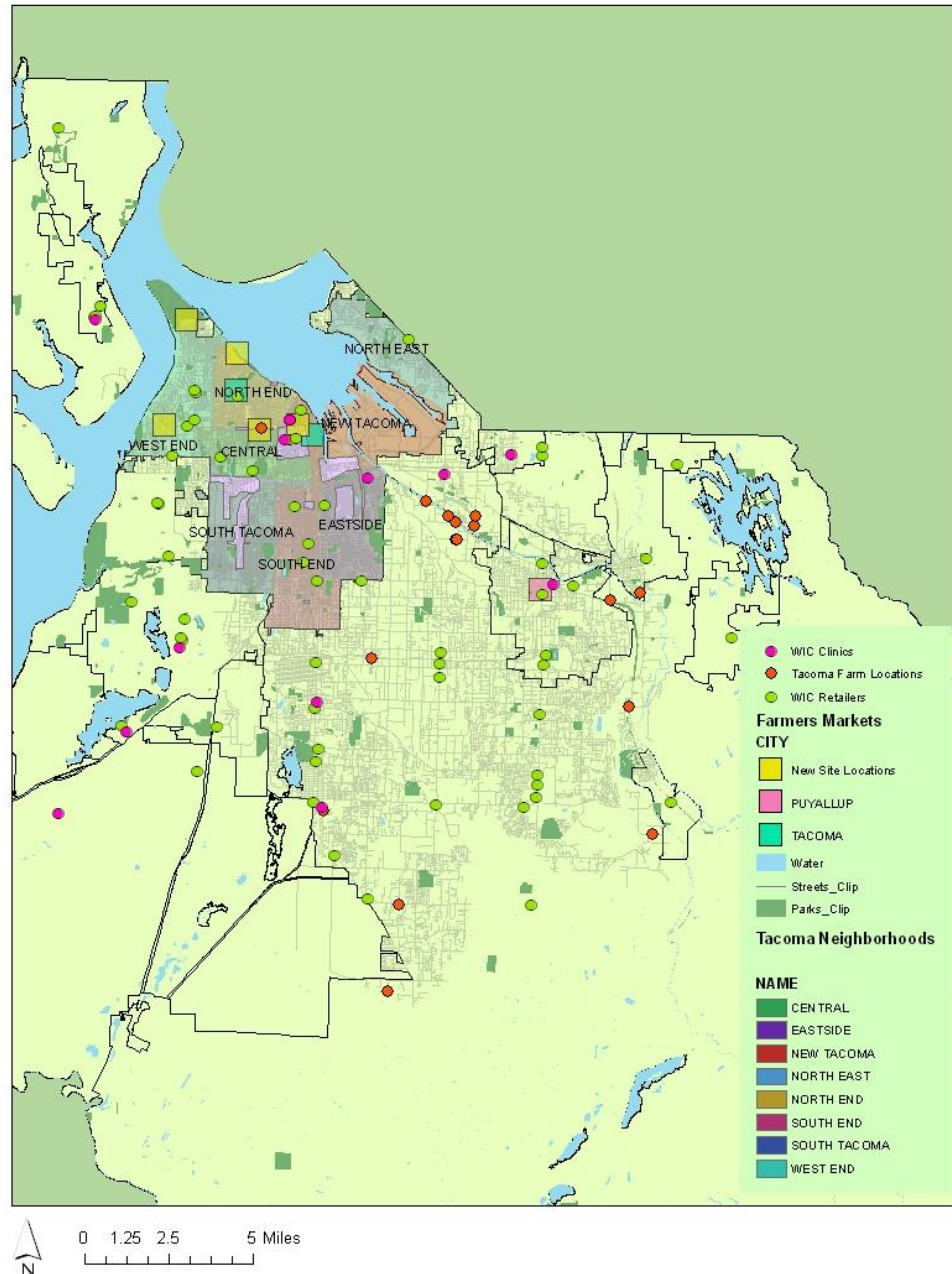
Broadening The Accessibility of Farmers Markets for *All* Residents of Tacoma

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The presence of Farmers Markets can be beneficial to households of all income levels; however they currently do not have a strong rapport with lower-income communities and Women, Infants and Children (WIC) users. This map displays five alternative site locations for Tacoma Farmers Markets. These locations are intended to enhance the productivity of Farmers Markets while accommodating not only low-income residents of Tacoma, but maintaining the current accessibility of Farmers Markets for *all* residents in Tacoma.

The following criteria is a list compiled from both popular U.S Farmers Markets and Tacoma's business regulations to be considered successful locations. To be a potential site location for a farmers market in Tacoma, for this study 16 of these 19 criterion must be met:

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| 1. Location of farms | 9. Bus Stop Routes |
| 2. Current Farmers Markets | 10. Income Data |
| 3. WIC station/retailer locations | 11. Census data |
| 4. Space Needs | 12. Centrality |
| 5. Transportation and Access | 13. Land use restrictions |
| 6. Trucking Needs | 14. Current Land use |
| 7. Available Fire and Emergency Response | 15. Impervious Surface data |
| 8. Roads/Streets | 16. Land Parcel Data |
| | 17. Local Business Data |
| | 18. Surface Cover/Trees |
| | 19. Long-term Stability |
| | 20. Ambience |



The data used for this study include: Pierce County Basemap, Geocoded Farm locations within a 20 mile buffer of the Tacoma City limits, Geocoded Wic Retailers/Clinics located within a 25 mile buffer of Tacoma City Limits. Pierce county parks, Tacoma Neighborhood districts, Pierce county Streets data.

To ensure that I accurately displayed potential alternative site locations for Farmers Markets in Tacoma, I listed the criteria in order of most important to least important. There were originally over 220 potential site locations, however after including the 19 criteria, the list soon drastically decreased to five potential site locations.

If particular neighborhood districts in Tacoma would like to see potential site locations for Farmers Markets, the requirements could be modified to fit their needs. However, for study the five criteria data resulting site locations have met the greatest amount of criteria and therefore are considered the best potential site locations for Farmers Markets to consider.

After analyzing the results, this study has allowed me to conclude that if South Tacoma, South End, and the East Side had better accessibility to Bus Routes, Public Land Parcels, and met the trucking needs for local Farms, Farmers Market locations could unquestionably be placed in these districts.

References:

WAGDA, U.S Census, Tacoma city GIS data, Tacoma Farmers Markets

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