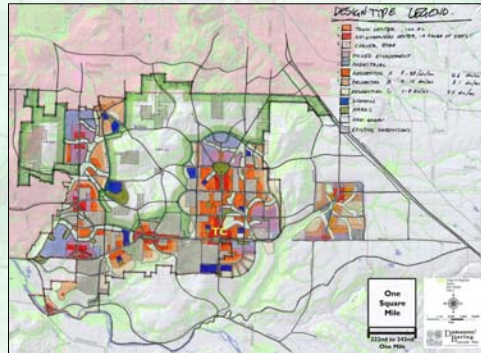


Damascus UGB New Highway Route Analysis

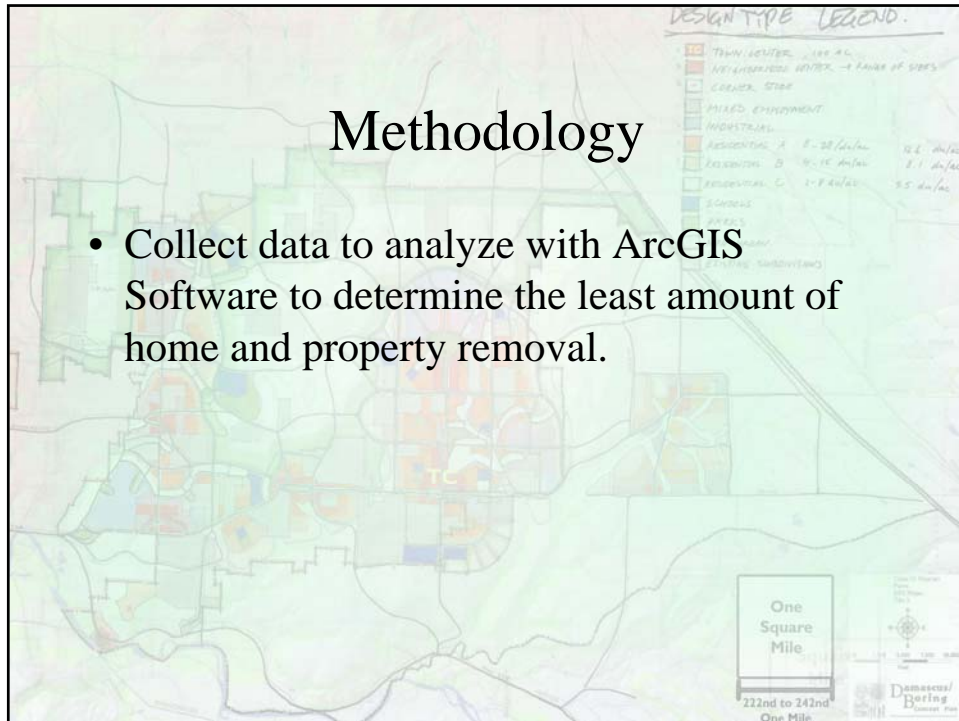


Problem Statement Question

While Designing the Damascus Urban Growth Boundary (UGB) extension did how much of “family displacement” and Development removal did urban planners take into consideration when panning?

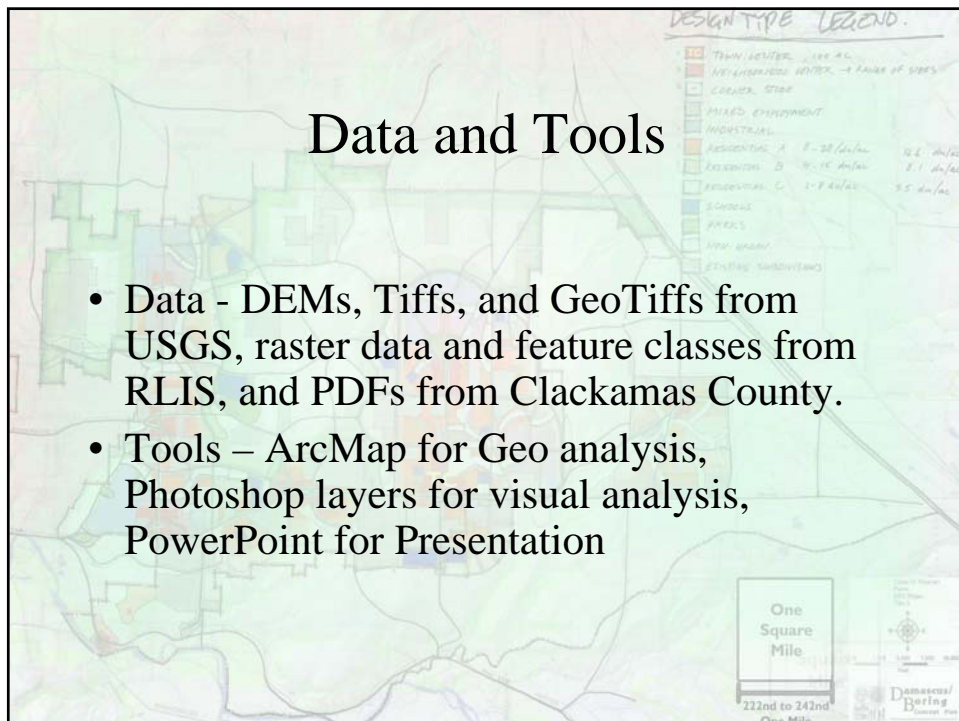
Methodology

- Collect data to analyze with ArcGIS Software to determine the least amount of home and property removal.



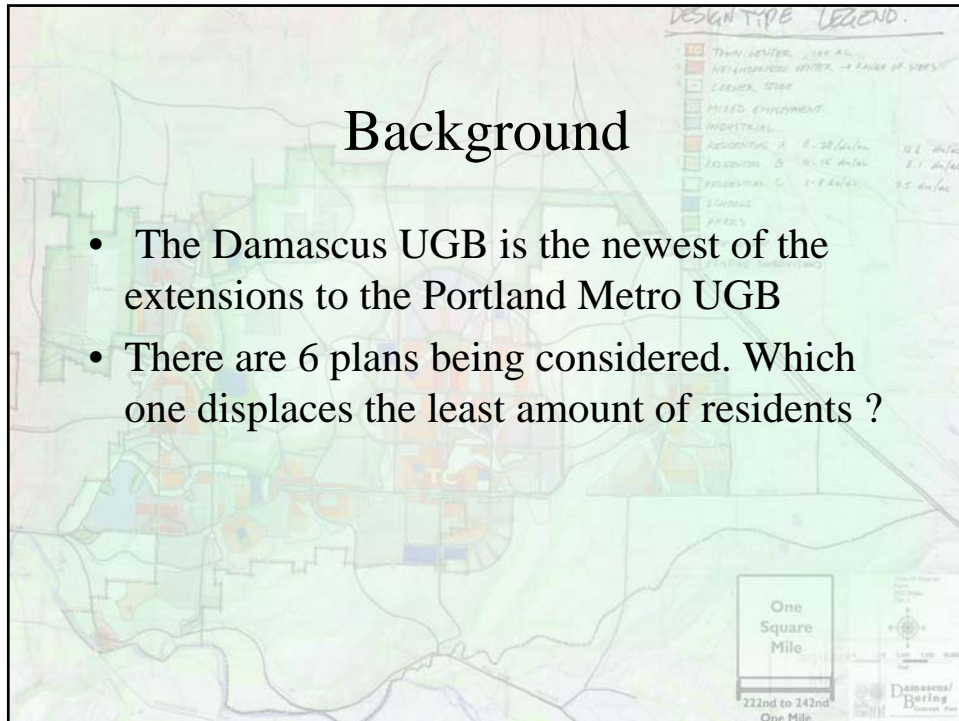
Data and Tools

- Data - DEMs, Tiffs, and GeoTiffs from USGS, raster data and feature classes from RLIS, and PDFs from Clackamas County.
- Tools – ArcMap for Geo analysis, Photoshop layers for visual analysis, PowerPoint for Presentation

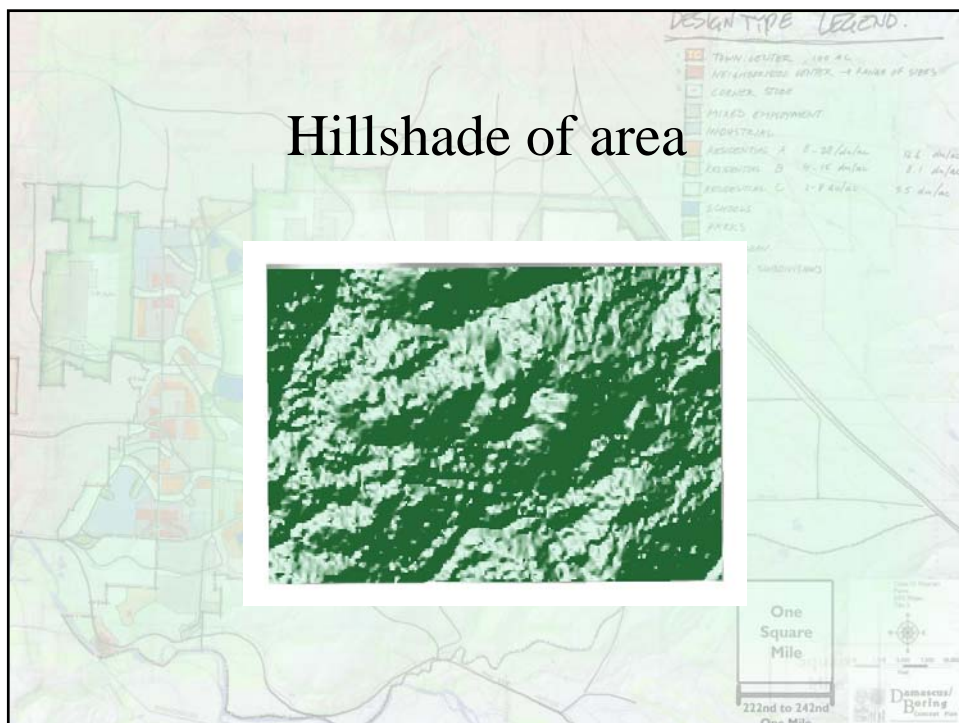


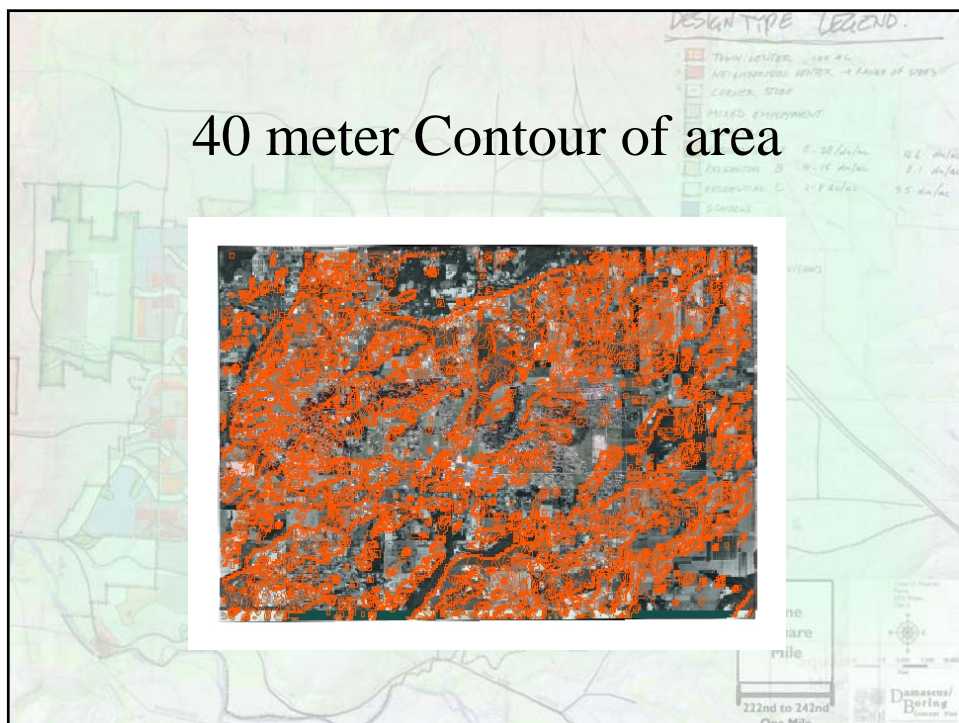
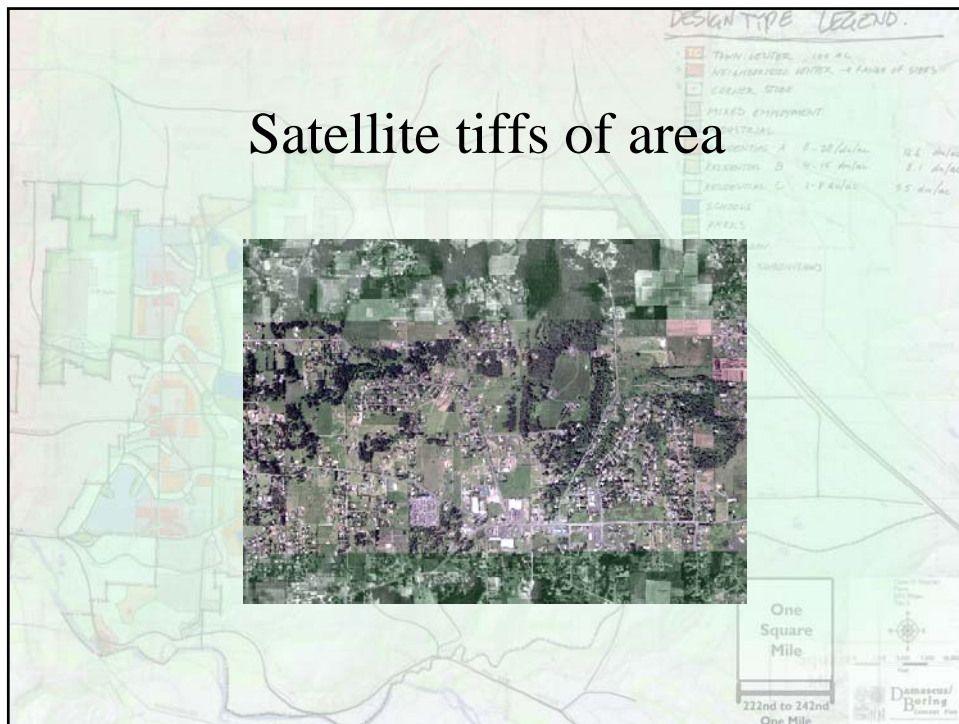
Background

- The Damascus UGB is the newest of the extensions to the Portland Metro UGB
- There are 6 plans being considered. Which one displaces the least amount of residents ?



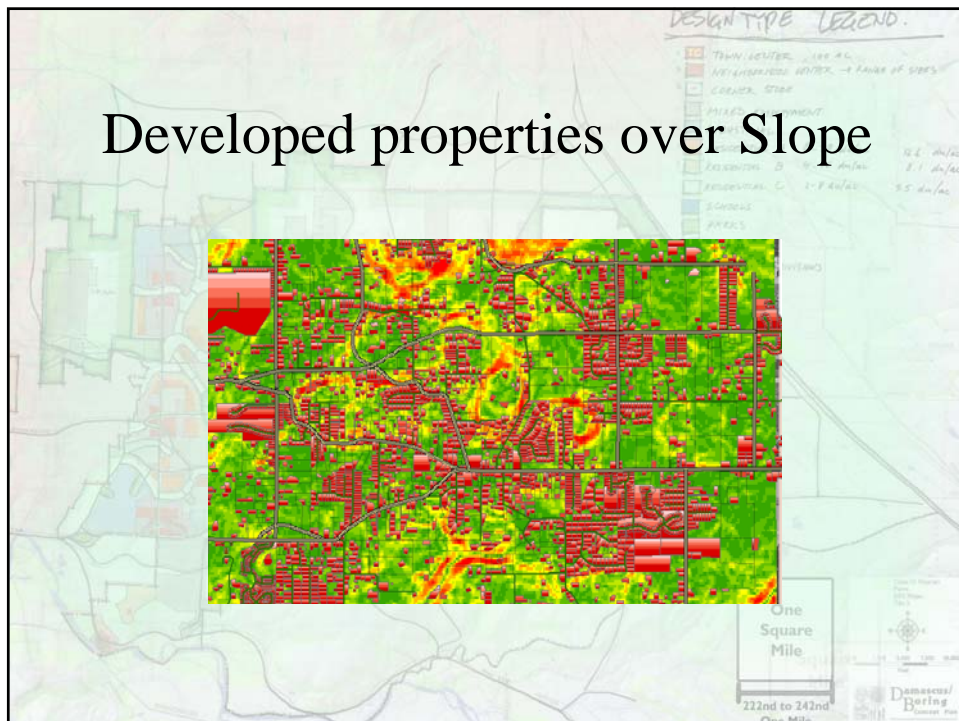
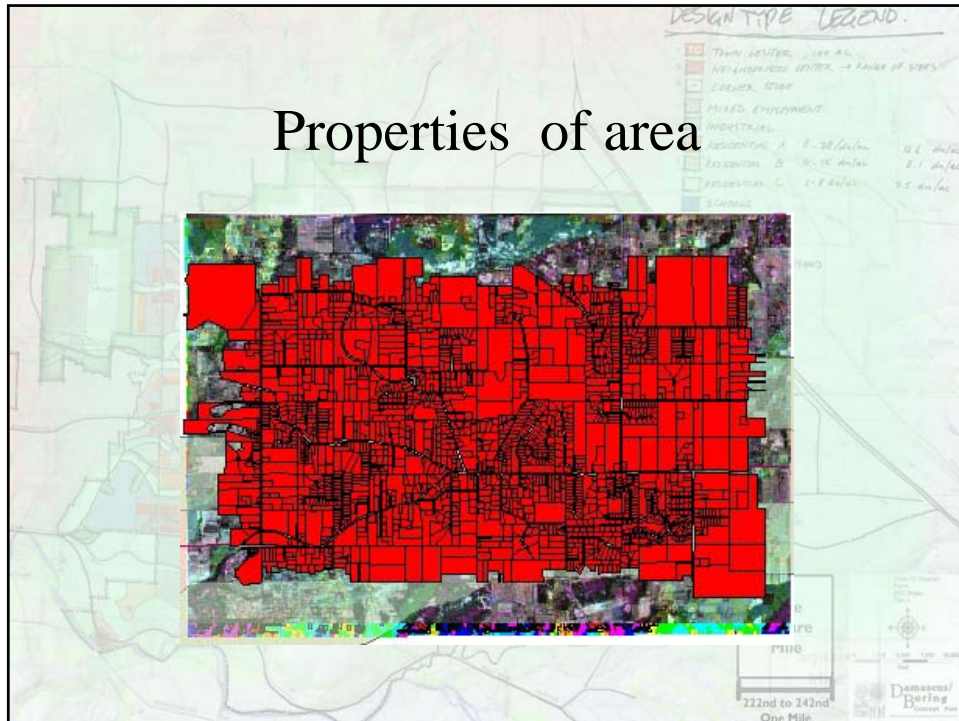
Hillshade of area



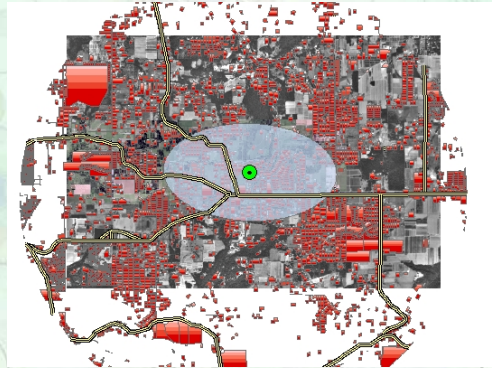


Slope raster

Satellite tiffs over Raster data



Mean and Directional Mean of Developed Properties with Existing Roads



Satellite tiffs of New Highway

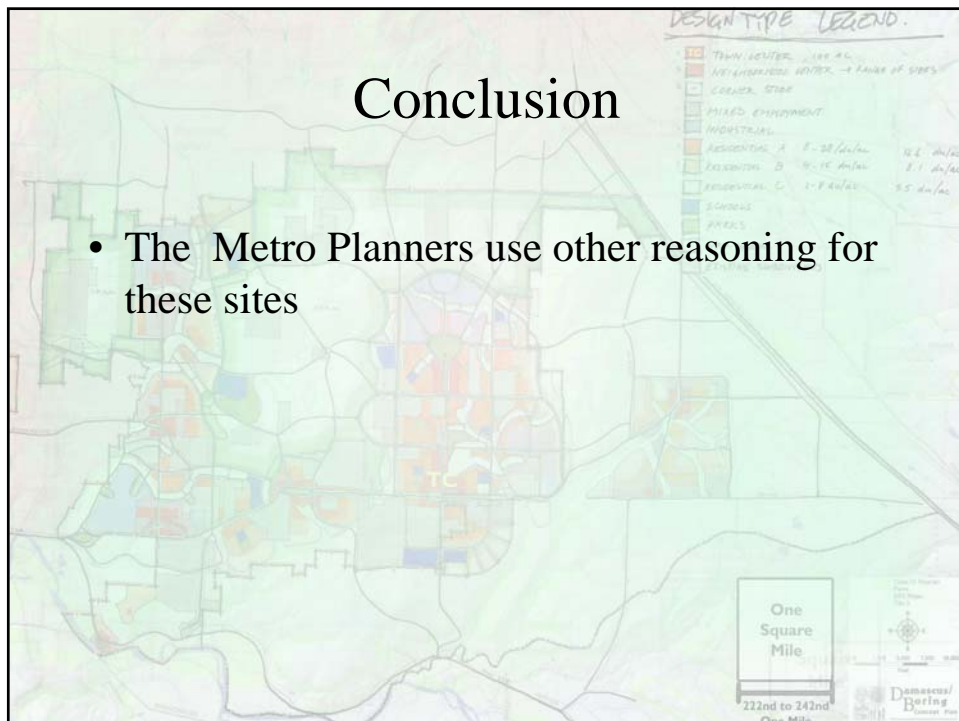


6 plans

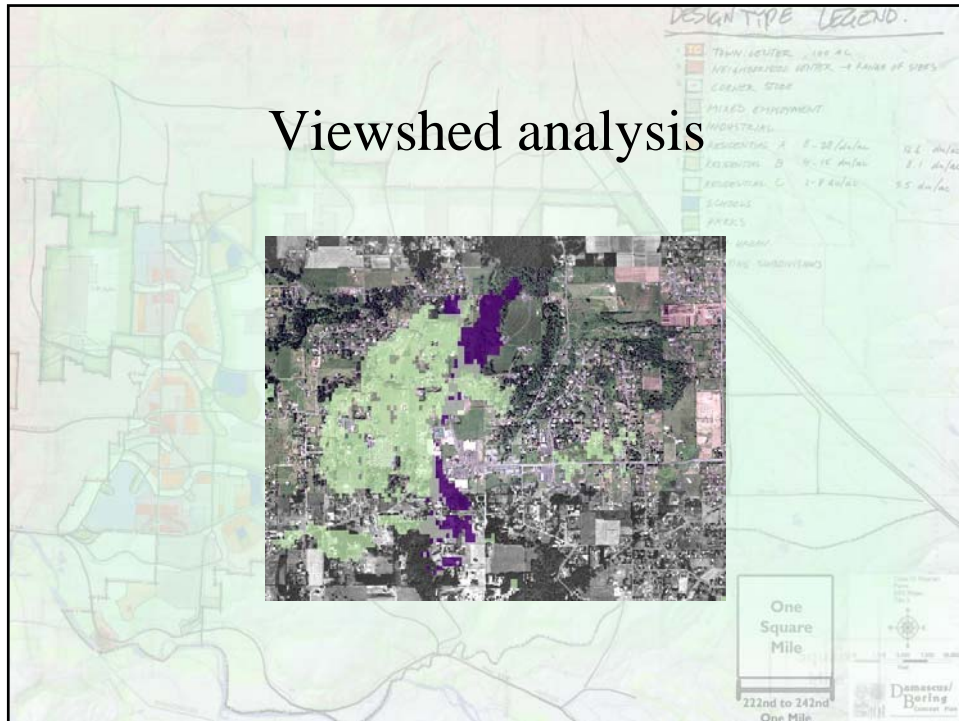


Conclusion

- The Metro Planners use other reasoning for these sites

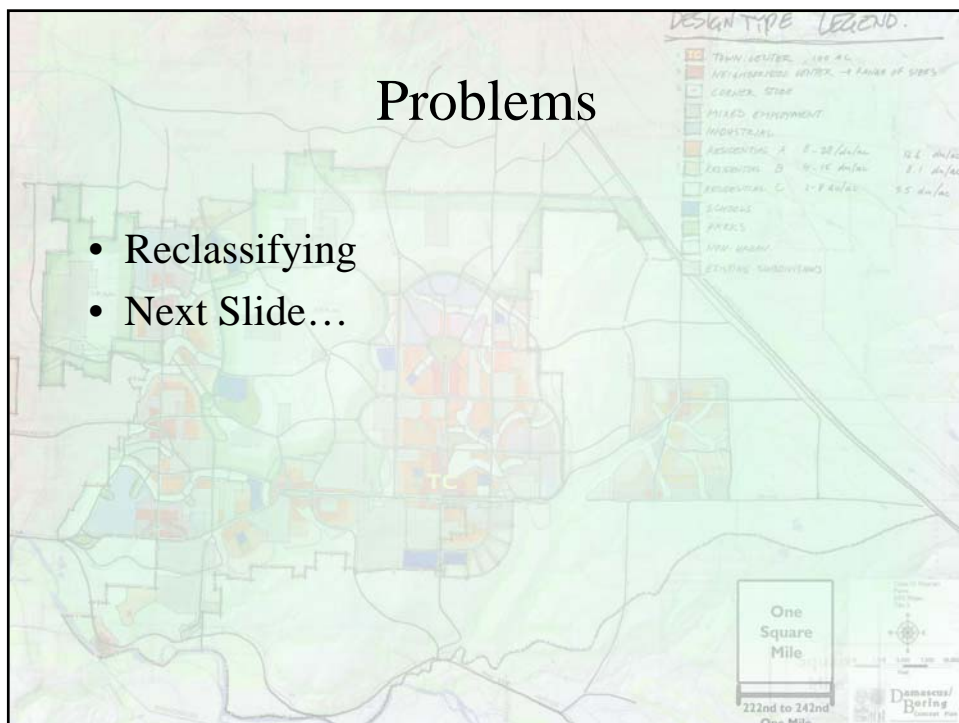


Viewshed analysis



Problems

- Reclassifying
- Next Slide...



Map of Reclassified