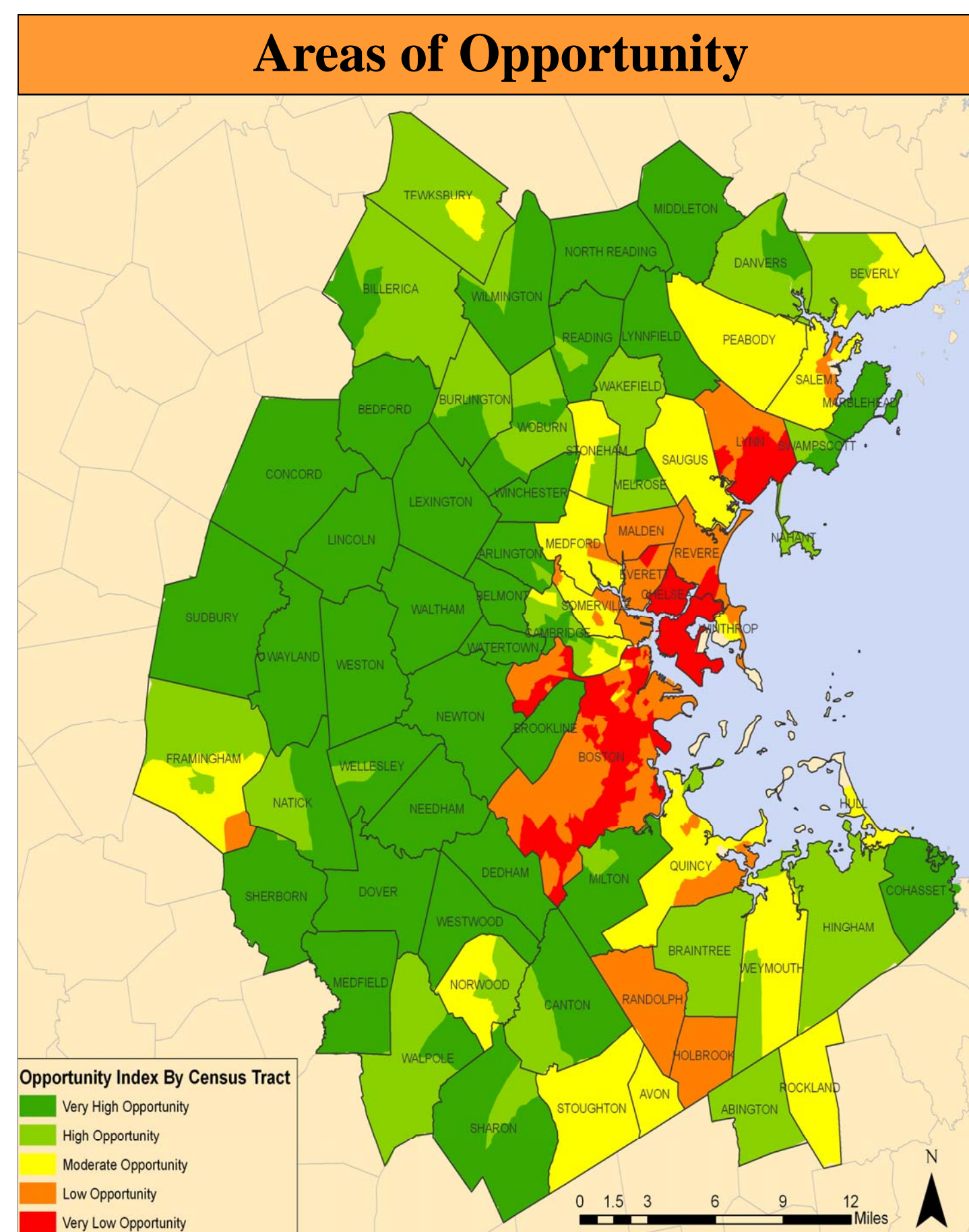


Using GIS to Explore Opportunity Mapping in Greater Boston:

Assessing Possibilities for Affordable Multi-Family Housing in High Opportunity Areas

Project Description: According to the Kirwan Institute for the Study of Race and Ethnicity, residents in metropolitan areas are situated within an interconnected web of opportunities that shape their quality of life. The neighborhood environment is a determining factor in producing conditions where people can or cannot succeed. To illustrate the distribution of opportunity, the Kirwan Institute has developed a series of Opportunity Maps. This project will demonstrate how Geographic Information Systems (GIS) can enhance the impact of this data. The steps below show how GIS can be used to apply disparate data sets in concert with the Opportunity Maps. Specifically, the steps illustrate how land use and zoning data can be applied to opportunity areas in order to assess appropriate sites for affordable multi-family housing in Greater Boston.

Opportunity Maps

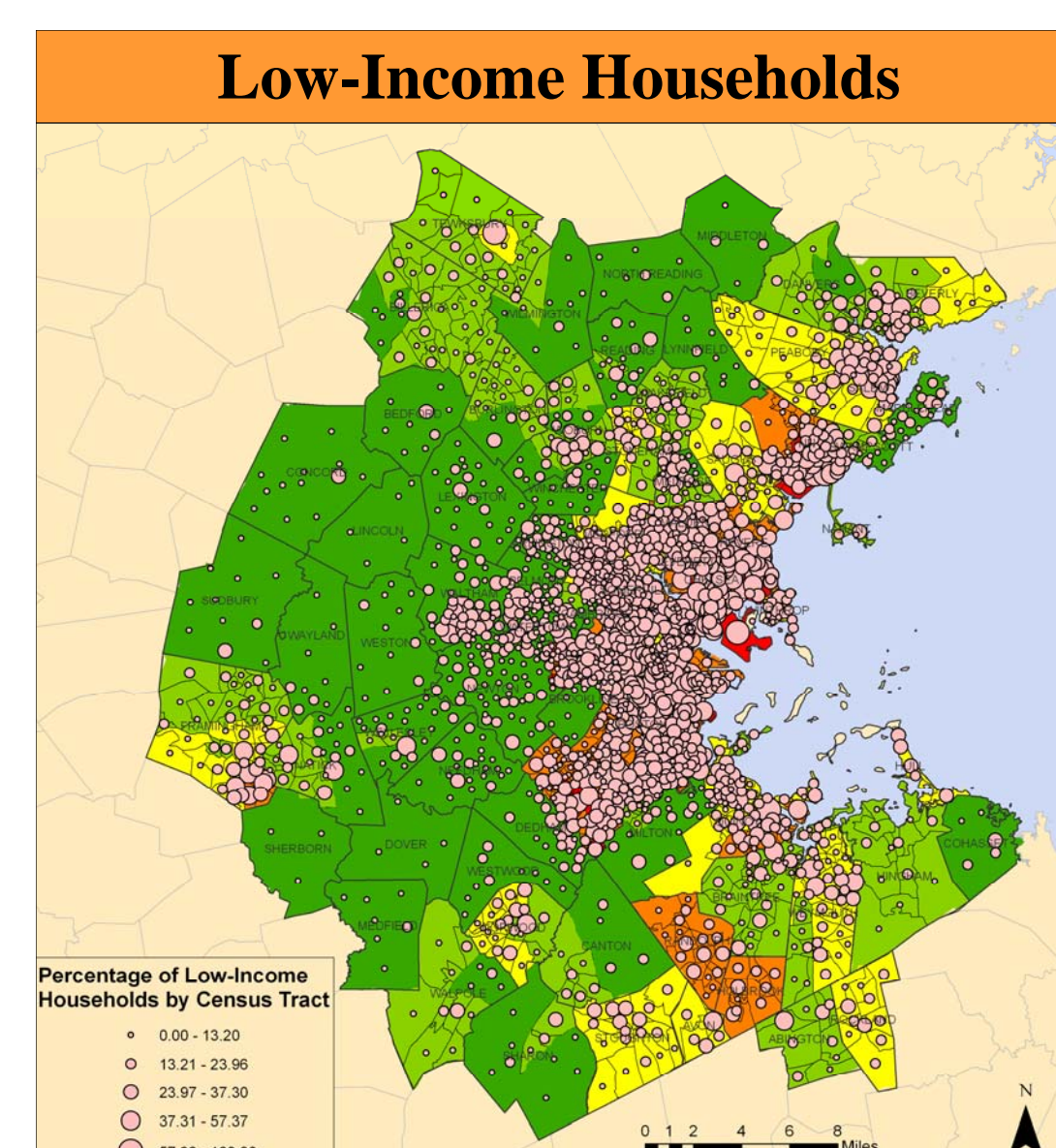
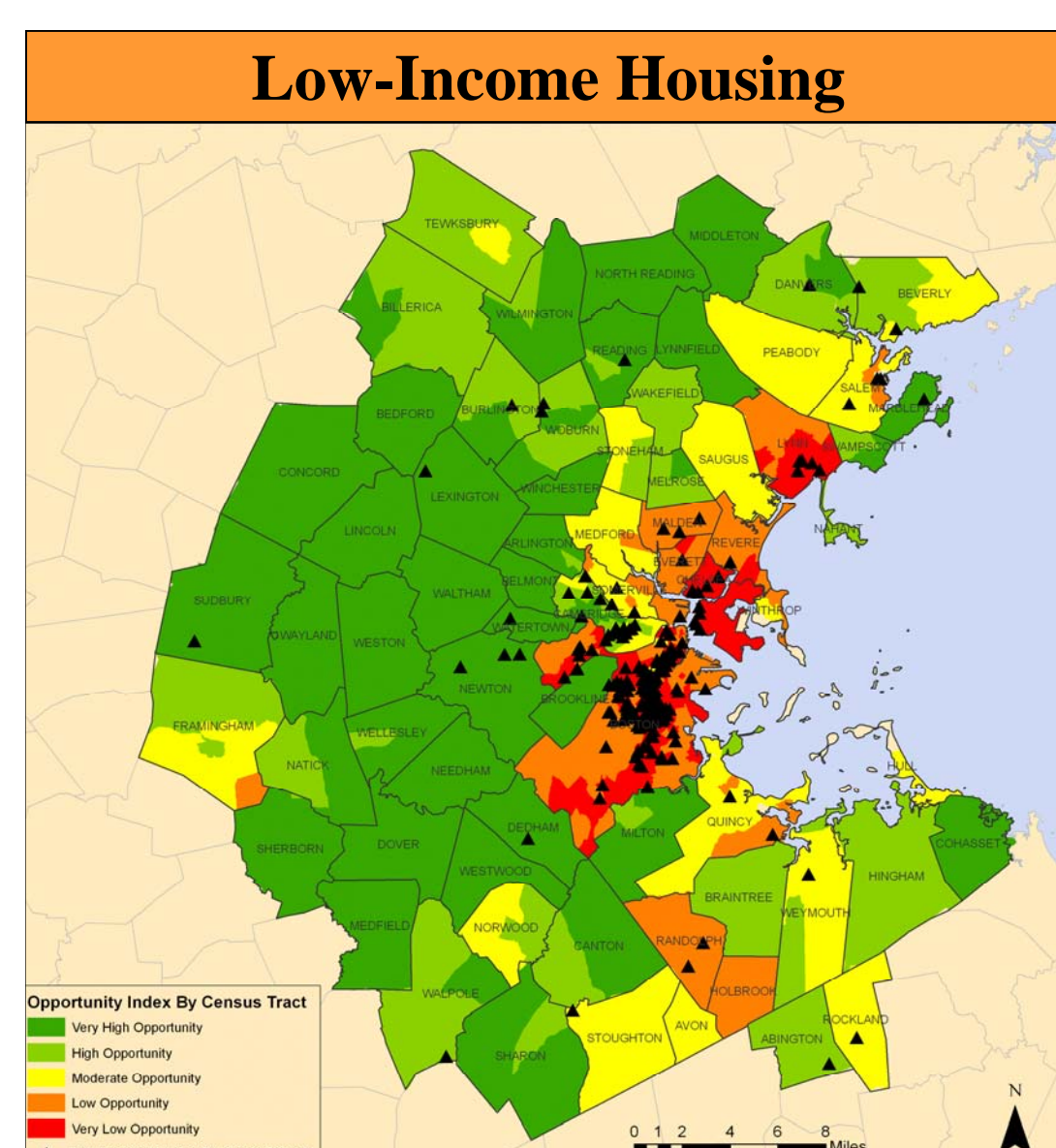


Step One:

Data from the Kirwan Institute was used to map opportunity in Greater Boston. This data is based on 19 community indicators, such as rates of poverty, school drop-outs, unemployment, neighborhood vacancy, etc. The indicators were assessed separately in three opportunity areas (educational opportunity, economic opportunity, and neighborhood/housing equality). The map to the left indicates opportunity areas that range from very high to very low in Greater Boston.

Step Two

Next, tabular data of Low-Income Housing Tax Credit (LIHTC) projects and data from the 2000 U.S. Census on low-income households was used to create maps indicating a clear pattern of geographic isolation. Of the 235 LIHTC projects, less than 14% (32) were in very high opportunity areas while over 80% (187) were in low or very low opportunity areas. To address this impediment, possibilities for developing affordable housing in areas of very high opportunity will be investigated. As low-income families with children are among those who face disproportionate barriers to adequate housing, a focus on affordable multi-family housing was selected.



Connecting To Land Use Data

