

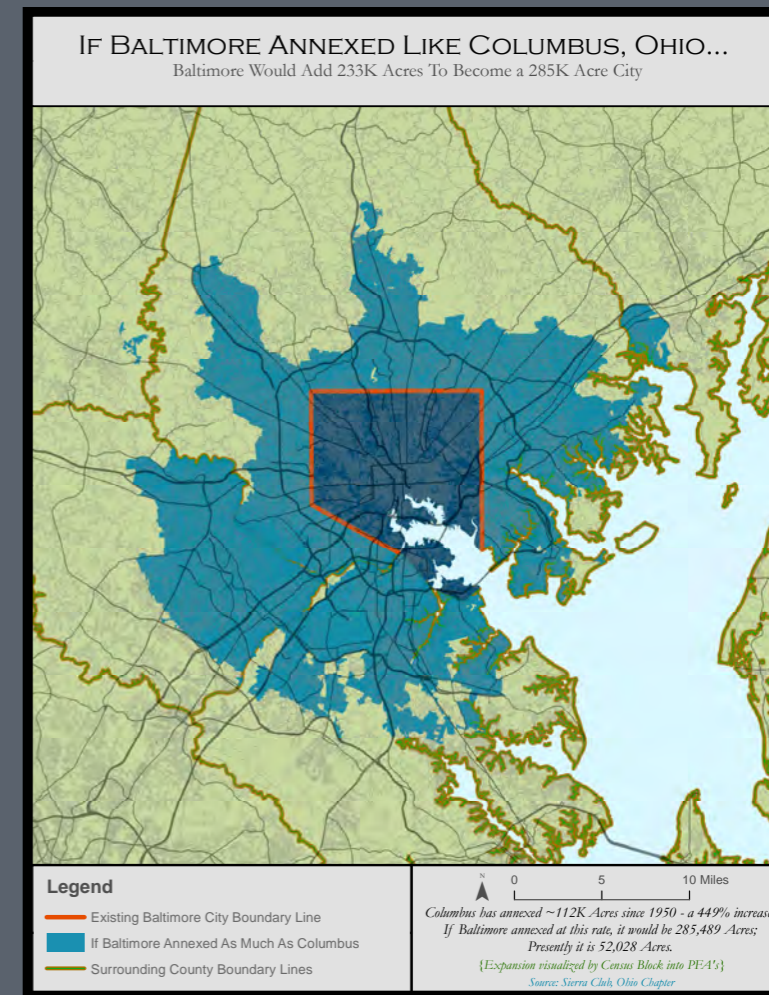
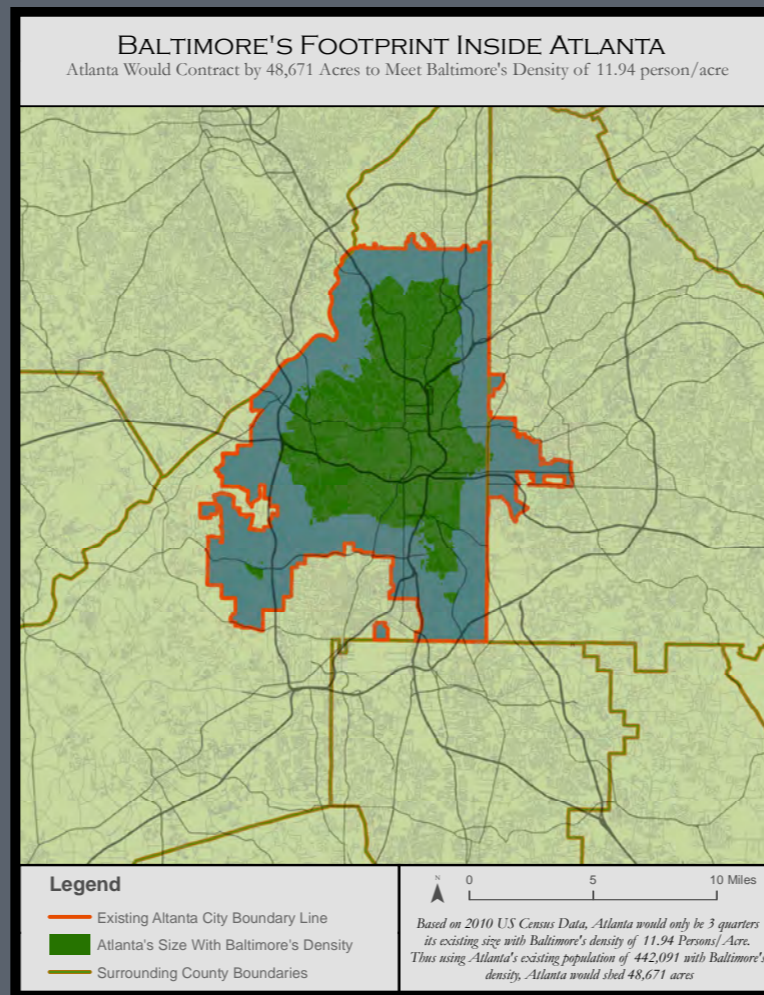
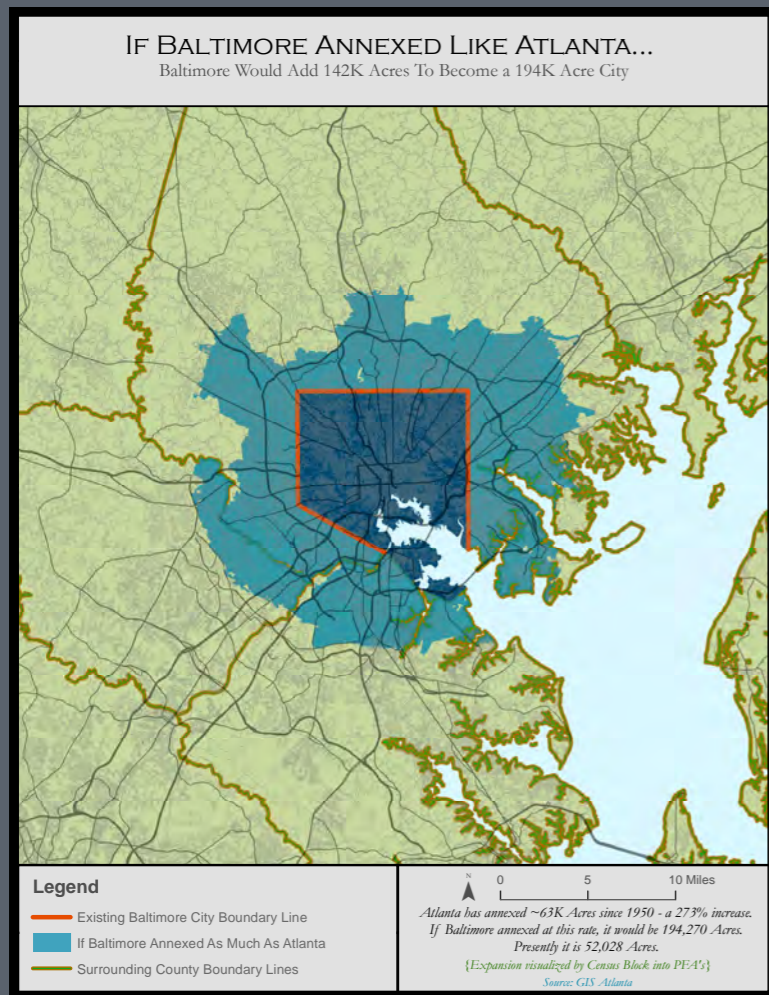
# DENSITY & ANNEXATION: BALTIMORE CASE STUDY

## BACKGROUND

As part of the lead up to the work MDP performed for Infill, Redevelopment, and Revitalization at the request of the Governor & Lieutenant Governor, the planning & analysis division at MDP examined density and annexation. In particular, a 1948 Baltimore City ballot referendum passed that prohibited the city from annexing any additional land. Therefore the only way to increase the city's population (and tax base) is from within. However other cities are able to annex land and indeed have done so as a means of increasing their tax base. This leaves their respective populations less dense.

## ROLE

Researched population figures and historical annexations. Completed the geospatial analysis and designed the maps.



Map 1

Map 2

Map 3

## THE MAPS

The three maps were created using a combination of density and annexation rates.

**Map 1:** Atlanta has increased its city land size by 273% since 1950 (through 2010). If Baltimore had annexed at this rate and increased its land by 273%, today it would be 194,000 acres. The population expansion is shown through the Priority Funding Areas (PFAs) - the areas most likely to receive population gains first.

**Map 2:** Baltimore's Density (as of the 2010 Census) is 11.94 persons/acre. If Atlanta existing population (2010) of 442,091 lived at that density, Atlanta would be a fraction of its current size.

**Map 3:** Columbus has increased its city land size by 449% since 1950 (through 2010). If Baltimore had annexed at this rate and increased its land by 449%, today it would be 285,000 acres. The population expansion is shown through the Priority Funding Areas (PFAs) - the areas most likely to receive population gains first.