

**Socio-Demographic Changes between 2000
Census and 2005-2009 ACS in Nashville
Davidson Metropolitan County**

November 2011



Metro Public Health Dept
Nashville / Davidson County

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Highlights on Socio-Demographic Changes between 2000 and 2005-2009 In Nashville Davidson Metropolitan County

Metro Health Department of Nashville/Davidson County regularly receive requests from members of Nashville Community looking for data, including population indicators at the lower geographic subdivision of the county. Many reports at MPH D have used various sources of population data, including projections from the State of Tennessee, Claritas, and the U.S. Census bureau

The US Census, which started in 1790, is a decennial enumeration of the population mandated by the United States Constitution (1). From 1940 until 2000, there was some form of sampling in the administration of the census to get more detailed social and demographic information on the population. In recent censuses, this was administered as the short form and the long form. The short form serves to collect basic information about age sex, race, Hispanic origin, household relationship, and owner or renter status. The long form, administered to only a sample of households collected detailed information on socioeconomic and housing characteristics in addition to that contained on the short form. Both short and long form data were reported to the census tract level. This long form has retired in 2000, and was replaced up by the American Community Survey.

The American Community Survey (ACS) is an ongoing nationwide survey conducted by the U.S. Census Bureau (2). Other than the decennial census, it is the largest survey - sent to approximately 250,000 addresses monthly. The ACS is designed to collect data and provide communities with reliable and timely information on demographics, social, economic, and housing indicators. The ACS was implemented over a phased in process, and began full implementation in 2005.

Unlike the decennial census, the ACS releases data at different levels of detail and different timelines based on the population of the geographic unit. Since ACS uses annual samples smaller (3 million housing units) than that of the Census 2000 long-form sample (about 18 million housing units), the reliability of its numbers at the smallest geographic level previously covered in decennial census is achieved by aggregating data from multiple years. At the census tract level, reliable estimate numbers are produced from five year combined data. Those estimate come closer to census estimates if this would be held in the last the ACS 5 year average. Beginning in 2010 ACS started to provide 1, 3, and 5 year estimates every year as a way of getting information to communities. The first batch of ACS data available for census tracts was released as the 2005-2009 ACS and made available in 2010. This file is comparable to that previously produced by the decennial census for this level of geography.

Data from Censuses and surveys are sought after by various members of community, including government officials, researchers, academics, planners, and other working in program evaluation and development involving population. Access for community members is easy and free when you go to: www.census.gov. This site has a special database called American FactFinder that provides quick access to most demographics and economic tables. We combined sources to create the maps in this report, to visually highlight some socio-demographic changes that took

place in Metropolitan Nashville Davidson County between 2000 and 2005-2009. Data elements used for this report were extracted from the 2000 US Census data and the 2005-2009 American Community Survey. Some variables of interest were also available in the 2010 decennial census but for uniformity of comparisons we used the ACS for all current data points.

Highlights

These maps show that between the 2000 and 2005-2009, there have been the socio-demographics characteristics changes as described below (1,2). Dataset were downloaded from the Census website in February 2011. The elements in these highlights were selected because collection methods were the same way in both Census and ACS, therefore comparable

1. Non Hispanic White Population has increased mostly in and around the central area and in the south central of the county. Even though the decrease seems to be countywide, the eastern area of the county shows the most declines. (Map 1)
2. Where the non-Hispanic white population declined, the non-Hispanic black population picked up. The map shows a percentage decline of black population in the central area of the county while showing an increase in other parts of the county. (Map 2)
3. Changes in non-Hispanic Asian population was spread countywide as shown on map, where census tracts with declines are next to those with increases. (Map 3)
4. Changes of Hispanic population followed almost the same pattern as that of the non-Hispanic black population, with a difference that the most northern tip of the county has had a decline instead of increase seen with the non-Hispanic black population. (Map 4)
5. Population in families has declined for most parts of the county except in its southern central part. (Map 5)
6. There has been increase of “non family one person household” in almost all the county, except in a few census tracts in its south central area where a decrease was noticed. (Map 6)
7. Households linguistically isolated have been increasing mostly in east part of the county. Except for a few census tracts located in its middle west, a decline was observed in its’ west part. (Map 7)
8. Population foreign born has been on rise all over the county, with the exception of a few census tracts in middle and west of the county. (Map 8)
9. With regard to the number households receiving public assistance income, there has been a decrease in the largest geographic area of the county lying from west to east, but a few census tracts in the northern most part of the county and in some scattered census tracts of the center, south and east have known an increase. (Map 9)
10. Population below 100% of poverty level shared almost equally the areas of increase and decrease, with areas of decrease located mostly in the middle of the county lying from west to East. (Map 10)
11. Population below 150% of the poverty level increased almost countywide except in a few census tracts spread in the west center and south of the county where a decrease has been noticed. (Map 11)
12. In Davidson County, increase in Tenure with physical or financial burden was widespread. (Map 12)

References:

- (1) U.S. Census Bureau; Census 2000, Summary File 3; generated by Justin Gatebuku; using American FactFinder; <<http://factfinder.census.gov>>; (20 February 2011).
- (2) U.S. Census Bureau; American Community Survey, 2005-2009 5-Year Estimates; generated by Justin Gatebuku; using American FactFinder; <<http://factfinder.census.gov>>; (18 February 2011)



Socio Demographic Changes Between 2000 and 2005-2009

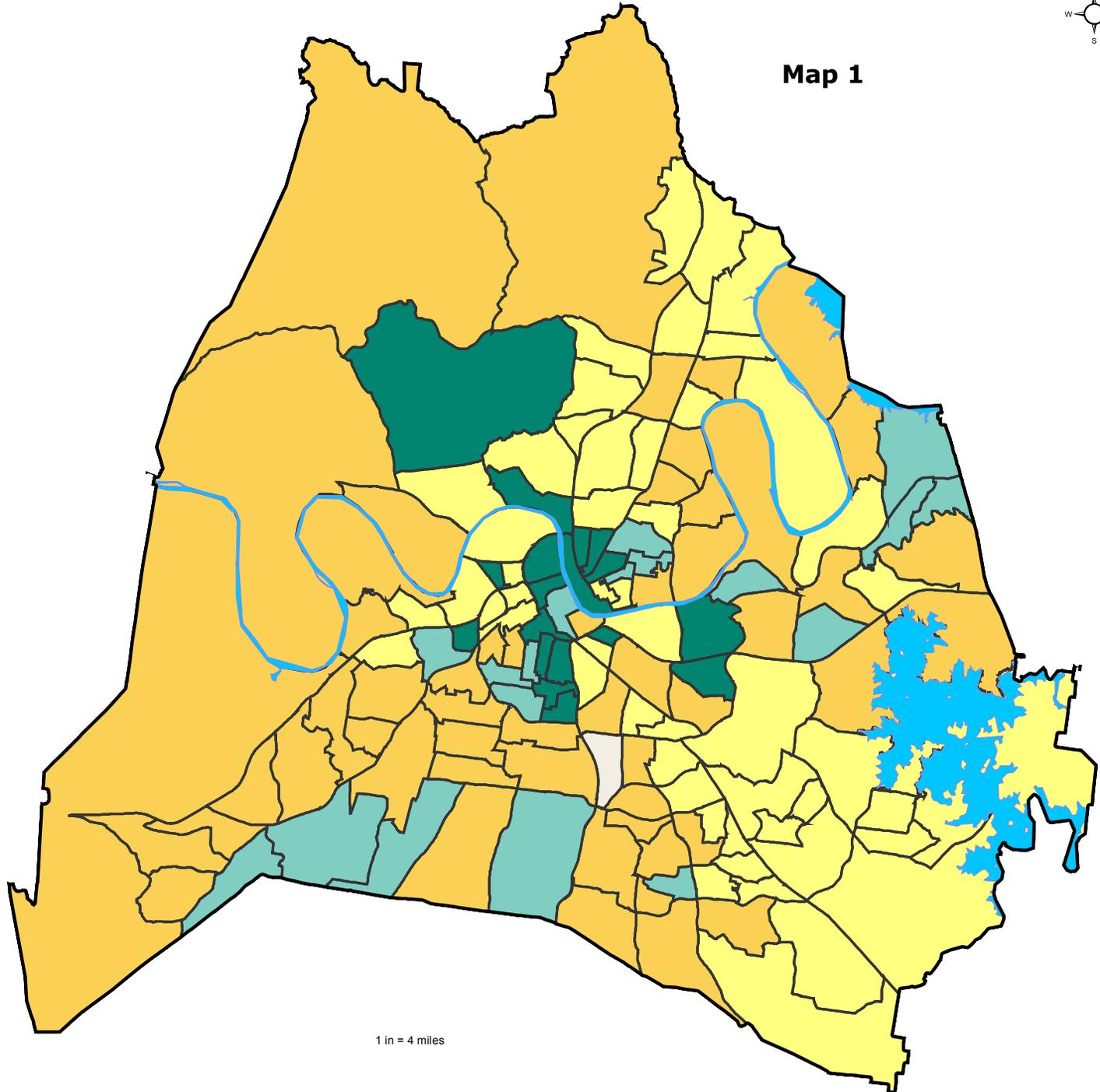
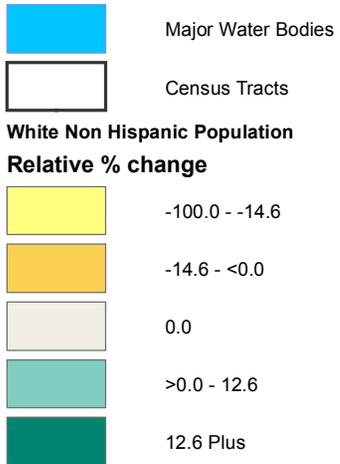


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Nashville/Davidson County
Promoting and Protecting Health

Map 1

Davidson County Population:

US Census 2000: 569,891
ACS 2005 - 2009: 621,465



Map Notes
Data Sources: US Census 2000 and American Community Survey 2005-2009
Author: Justin Gatebuke and Sandra Thomas
Epidemiology, 2011

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Socio Demographic Changes Between 2000 and 2005-2009

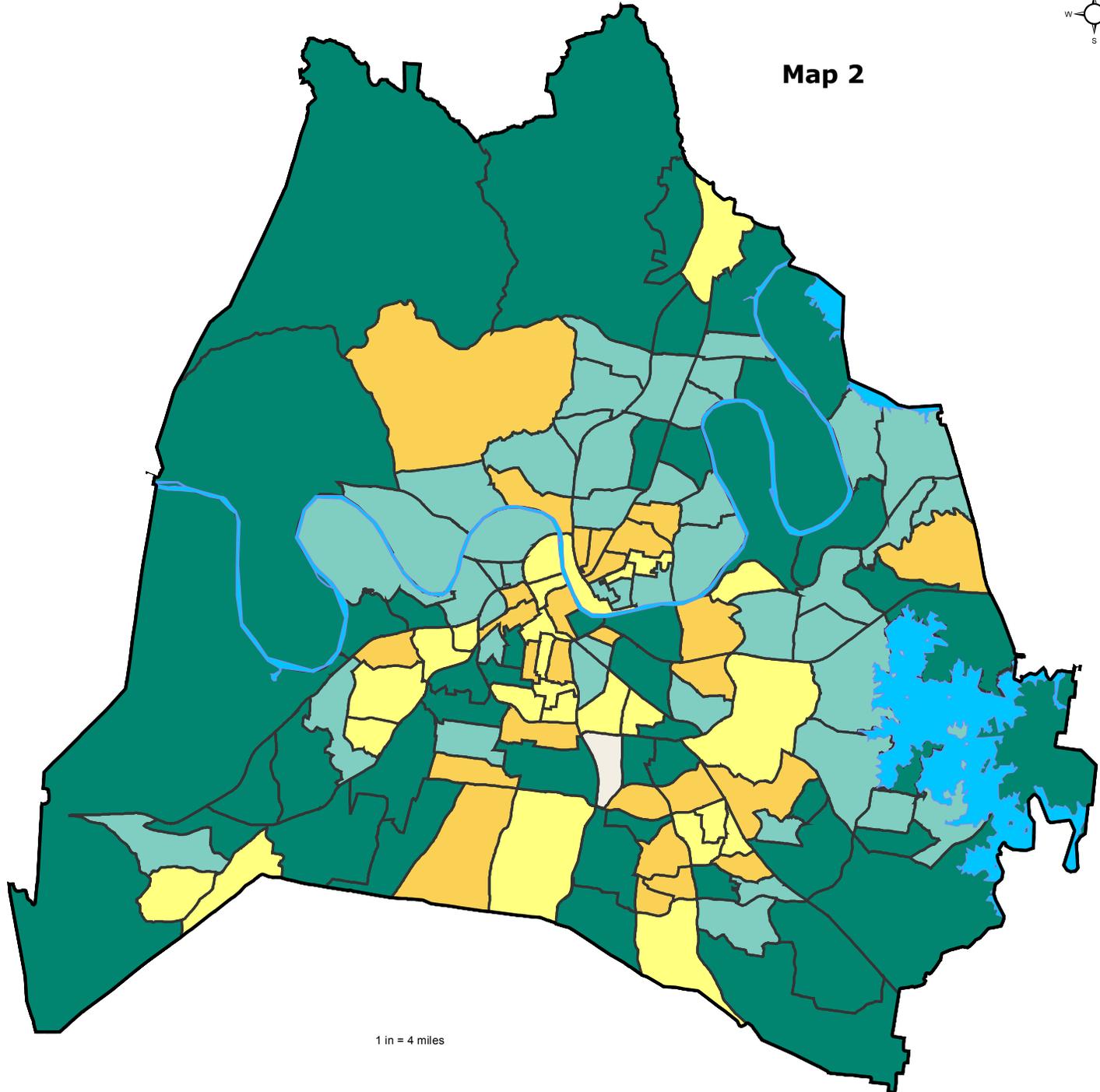
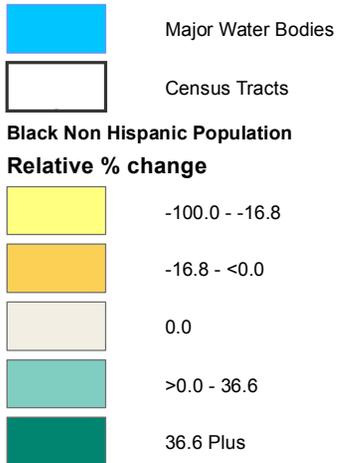


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Map 2

Davidson County Population:

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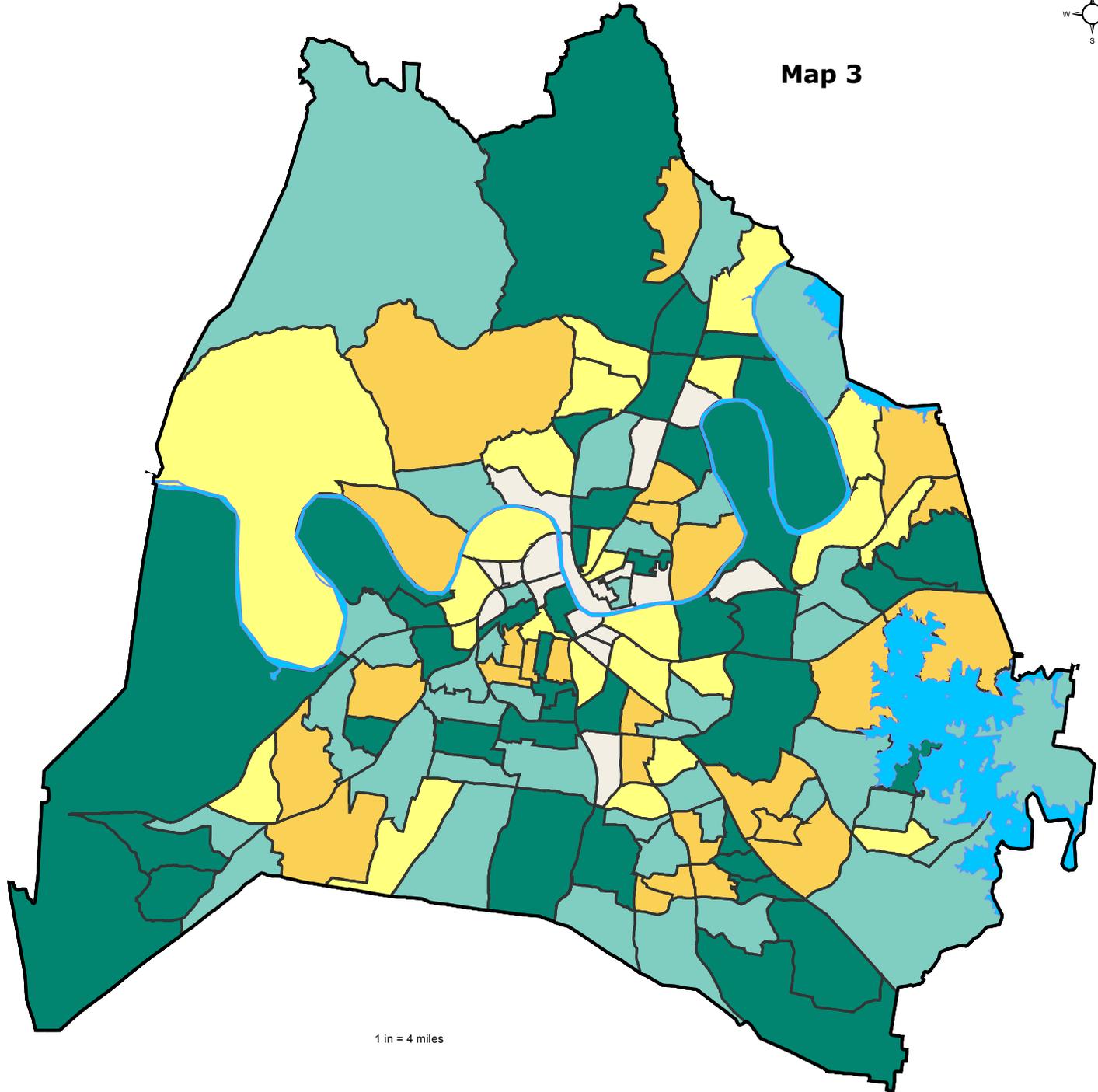
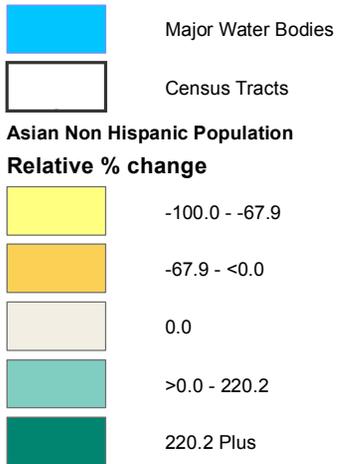


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Map 3

Davidson County Population:

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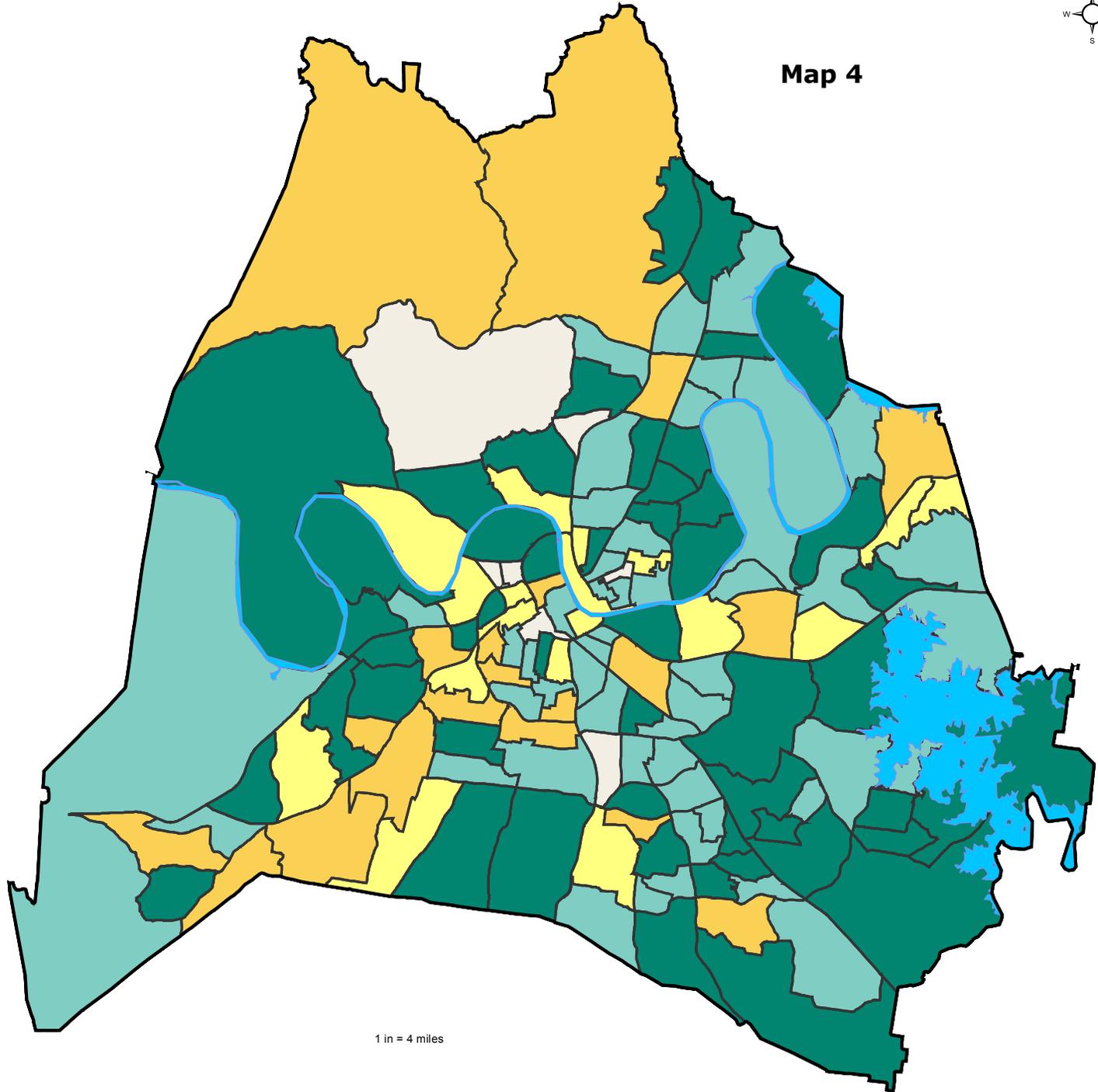
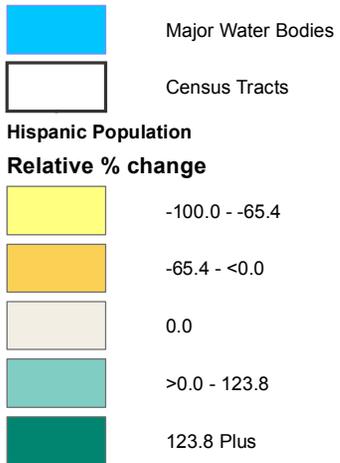


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Map 4

Davidson County Population:

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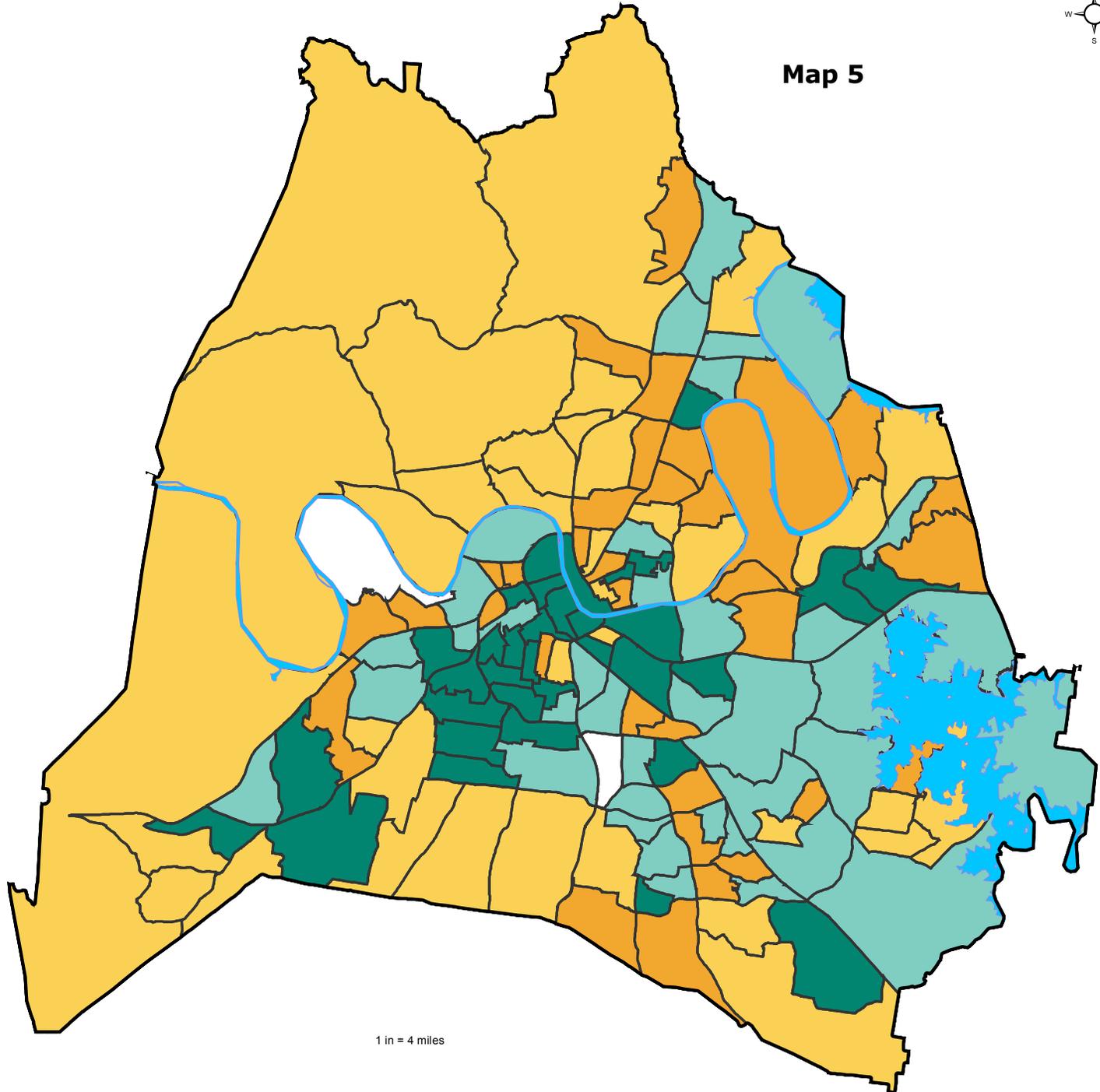
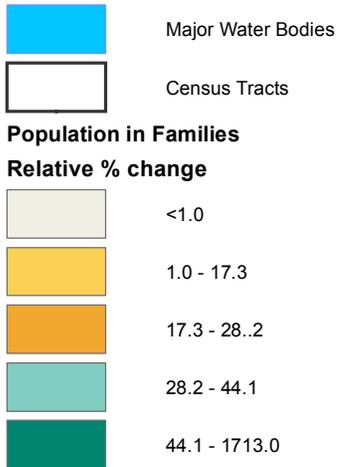


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Map 5

Davidson County Population:

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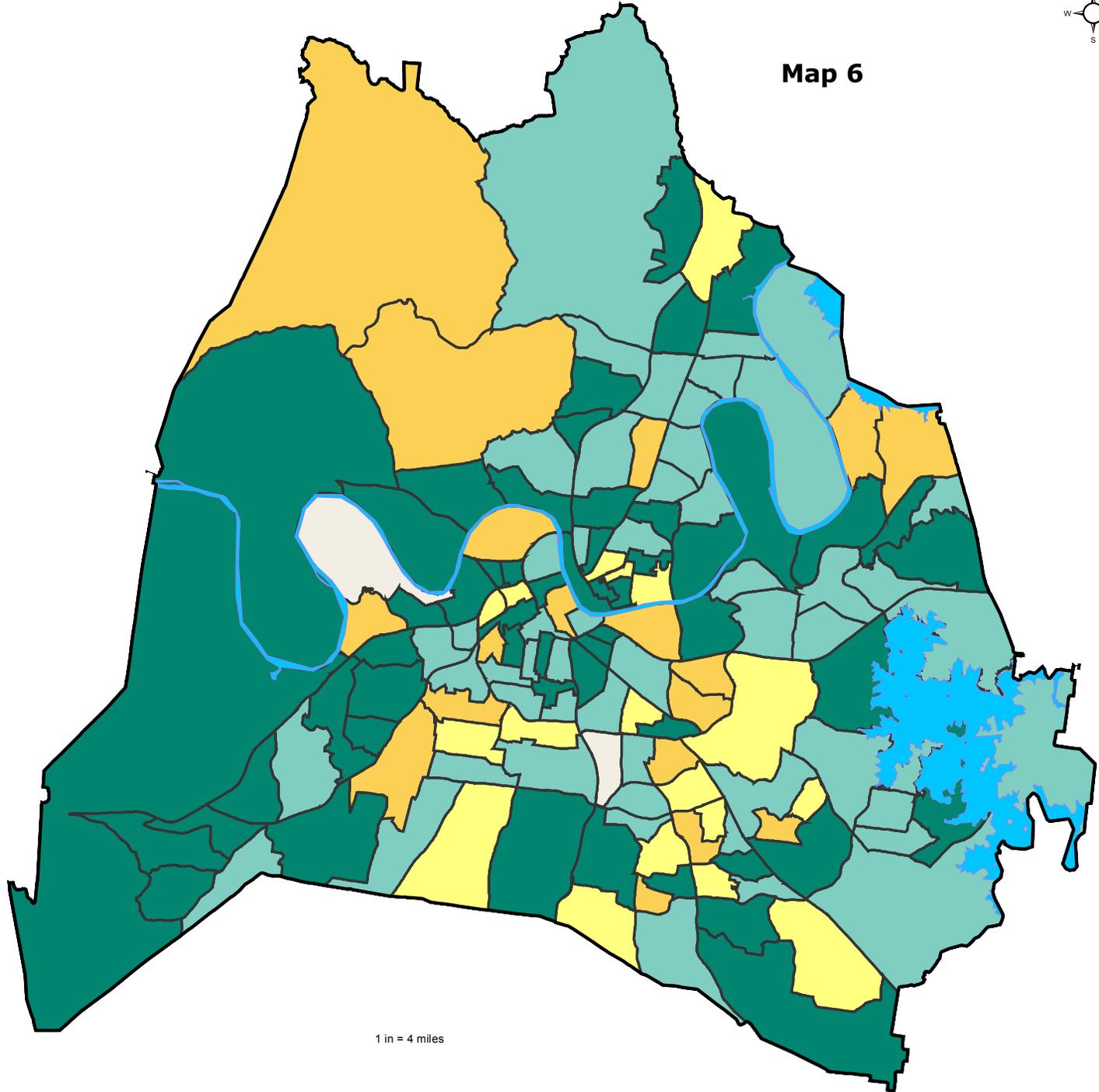
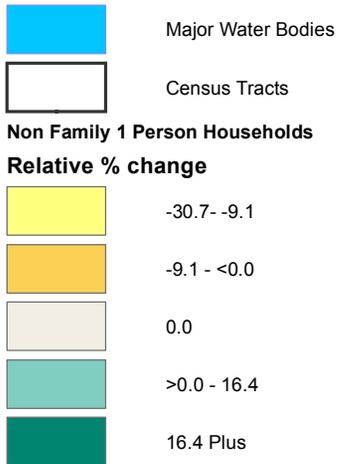


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Map 6

Davidson County Population:

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ACS 2005 - 2009: 621,465



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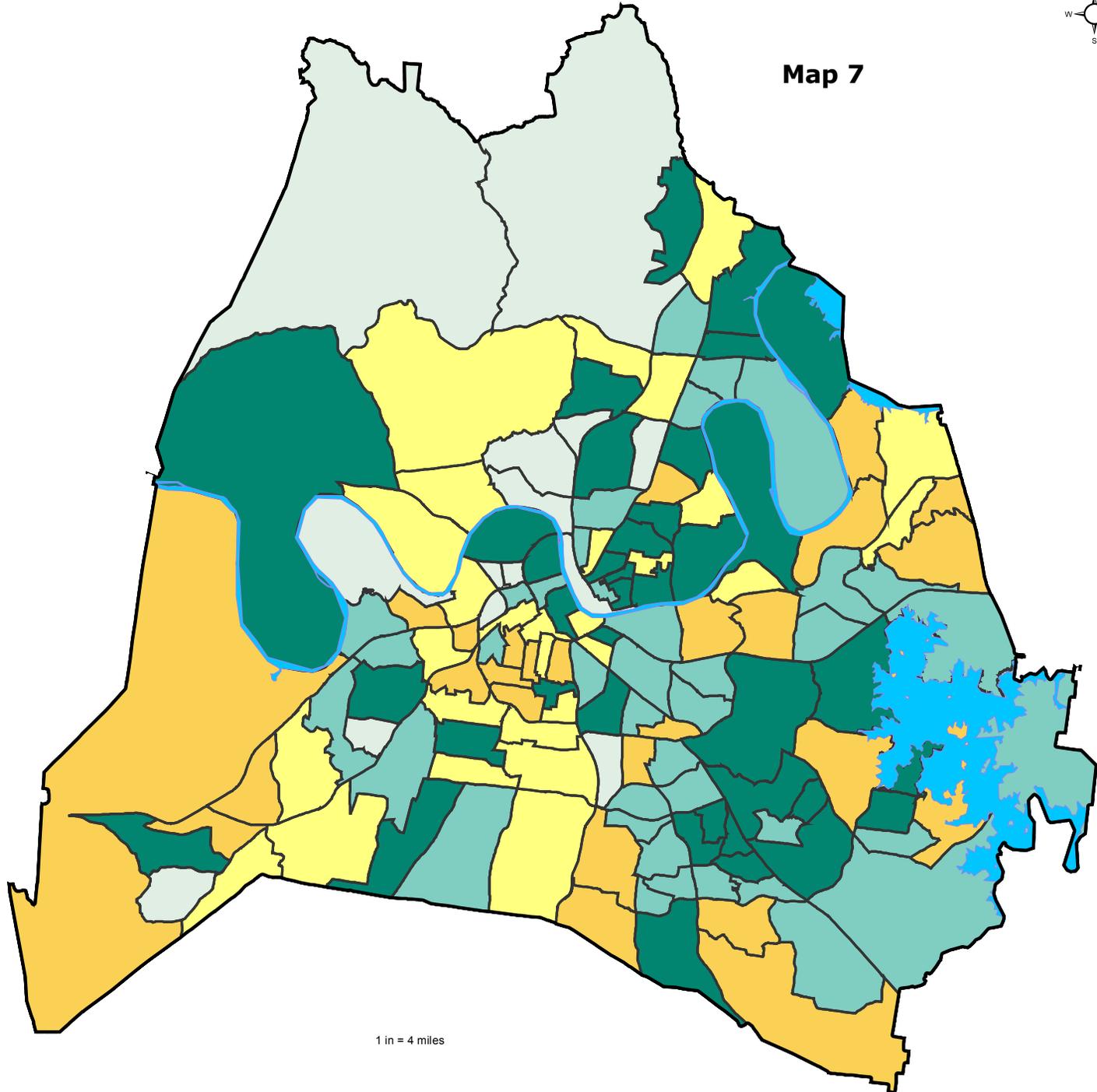
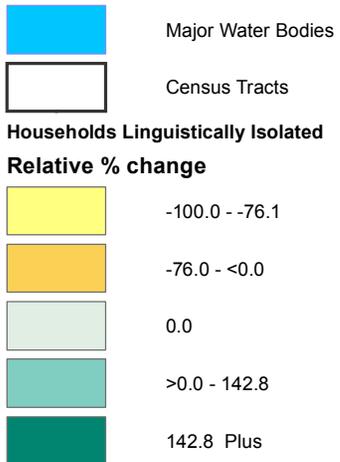


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Map 7

Davidson County Population:

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ACS 2005 - 2009: 621,465



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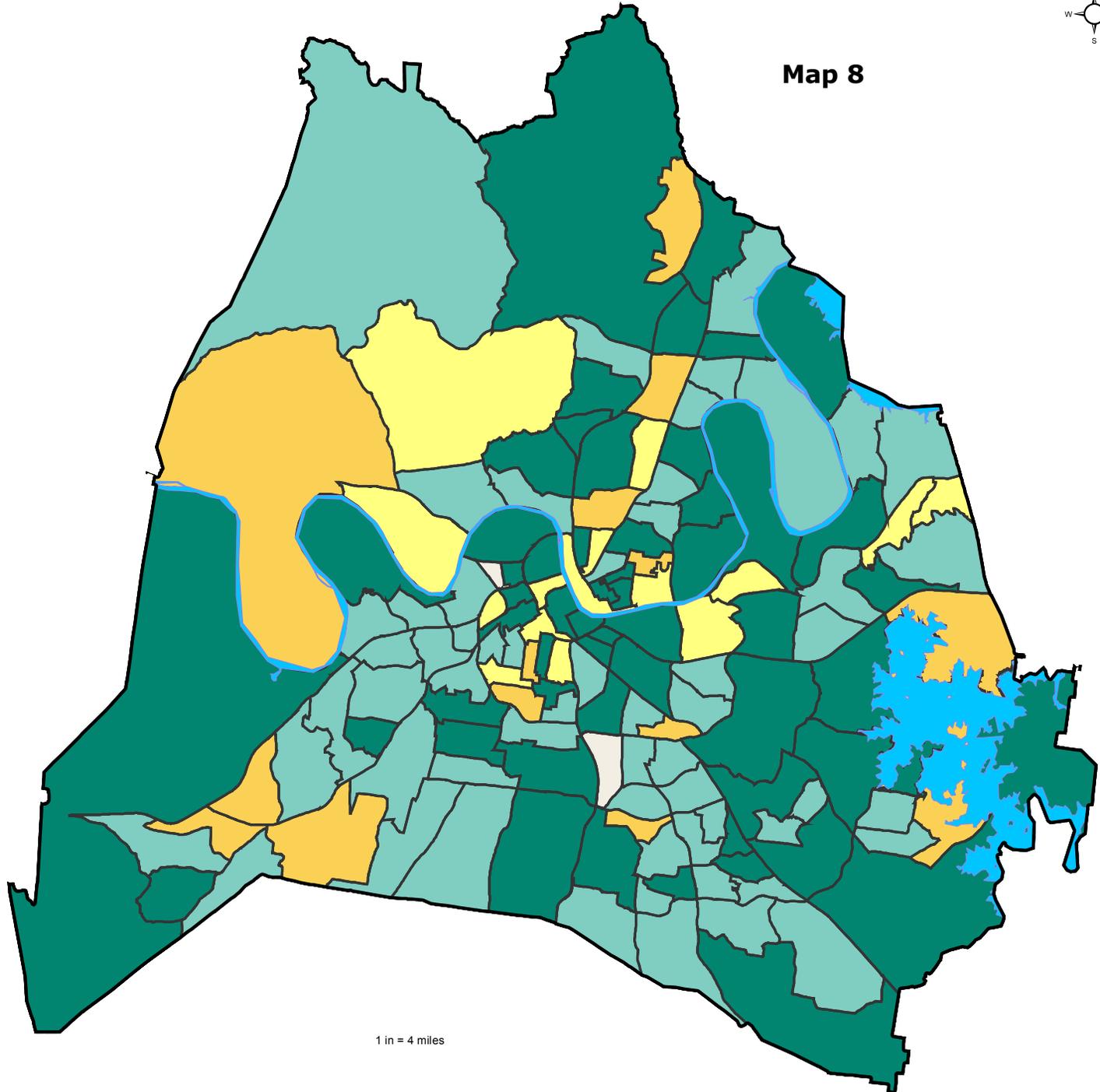
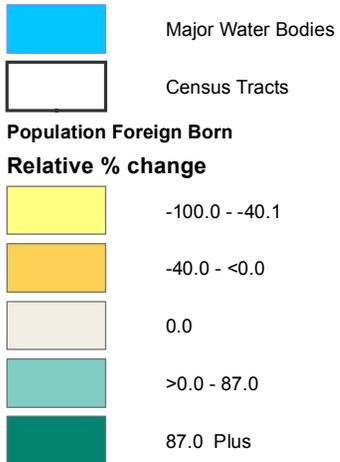


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Map 8

Davidson County Population:

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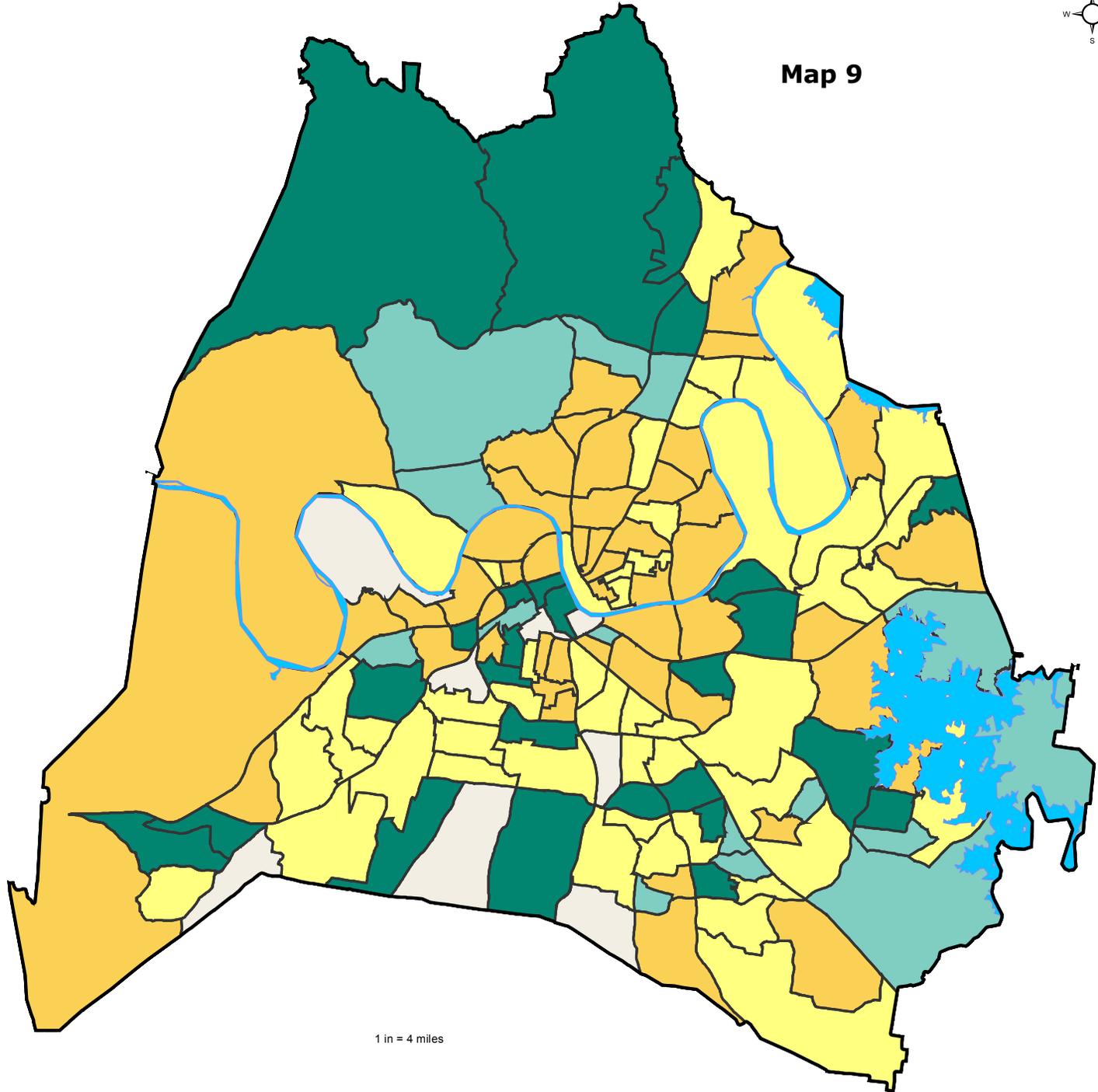
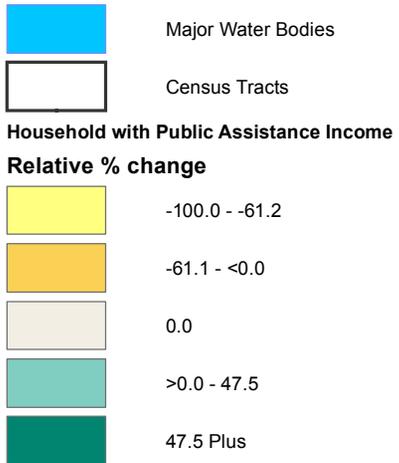


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Map 9

Davidson County Population:

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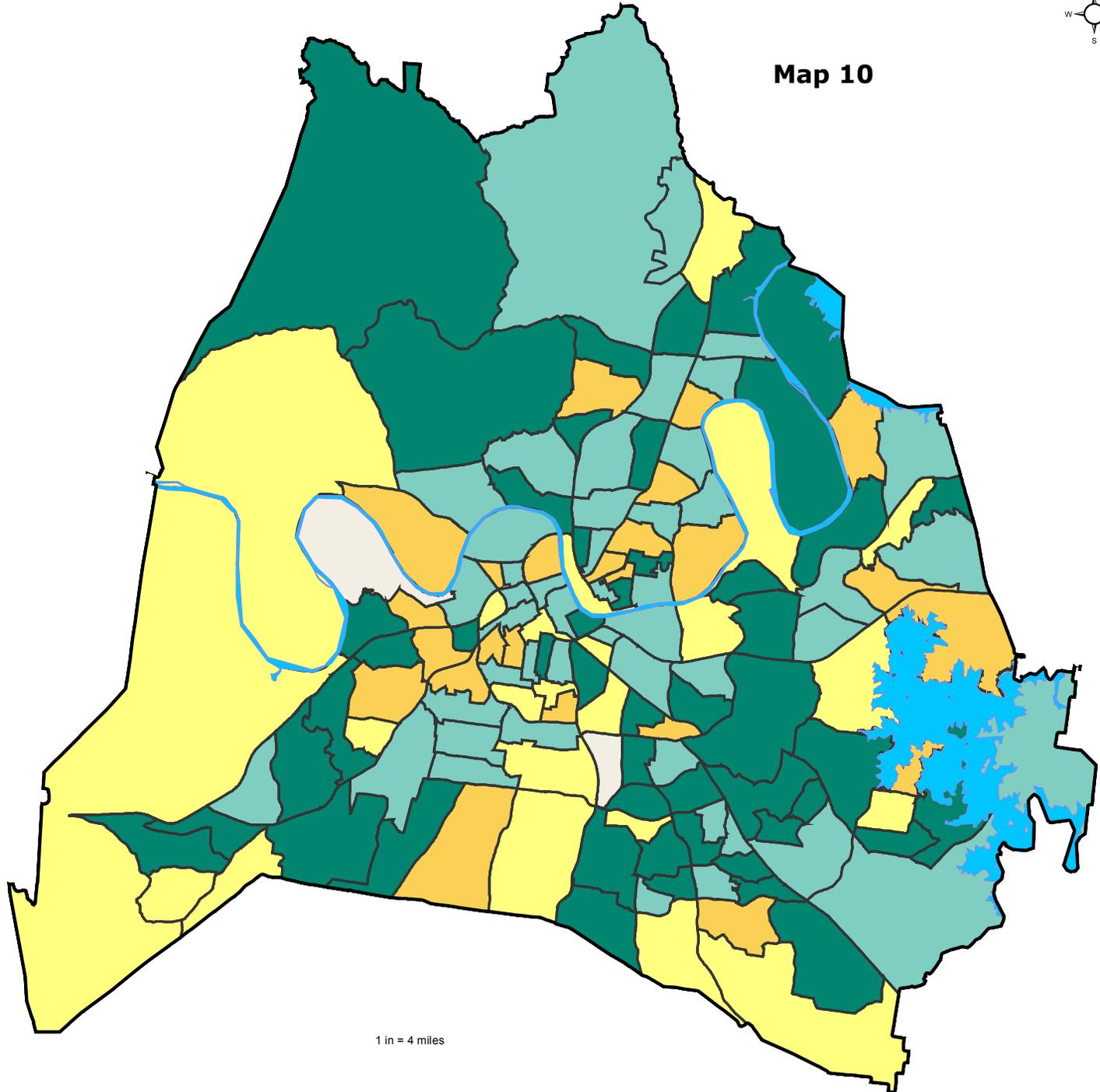
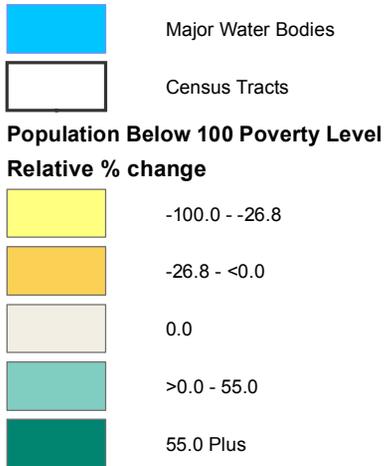


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Map 10

Davidson County Population:

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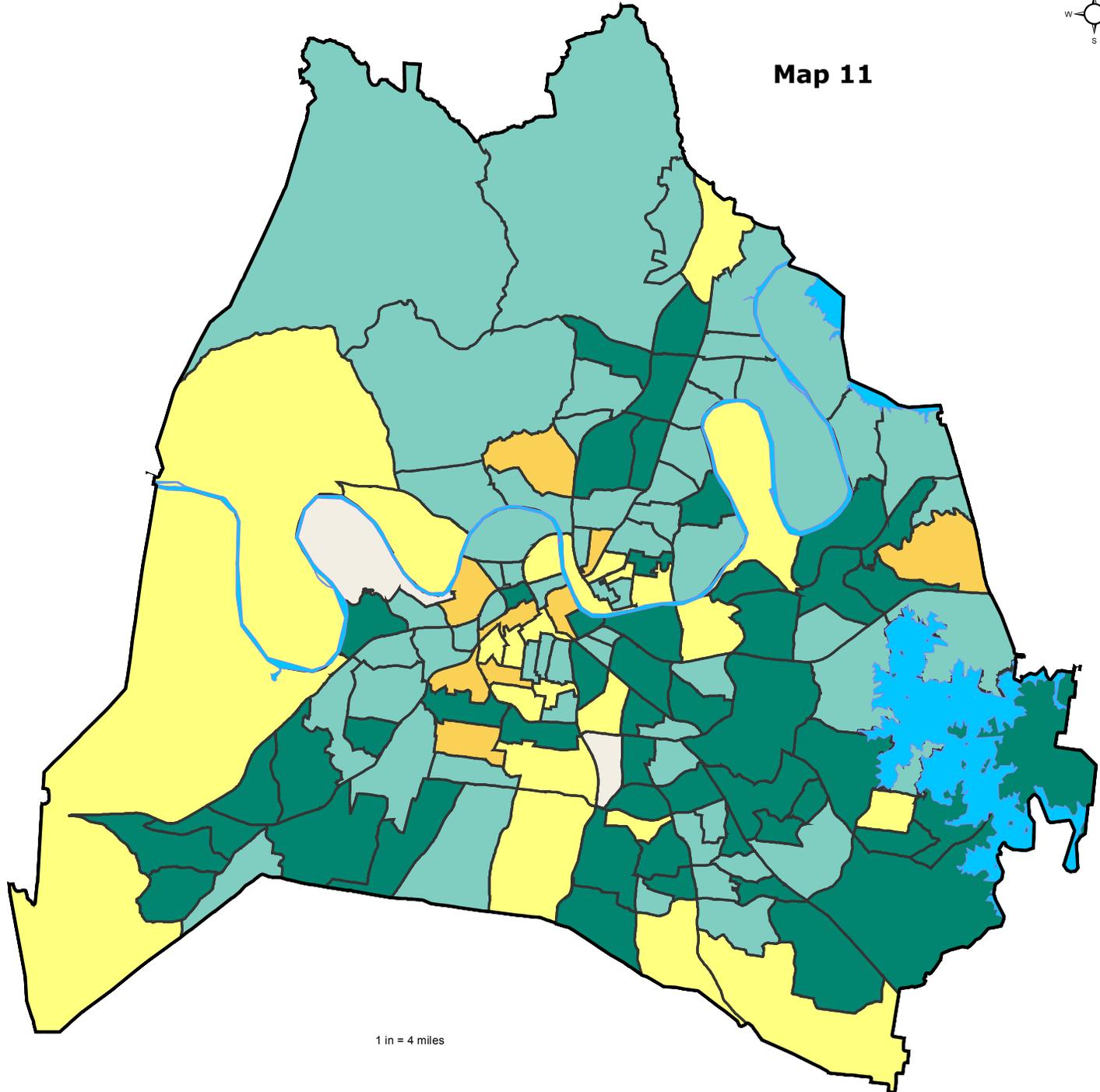
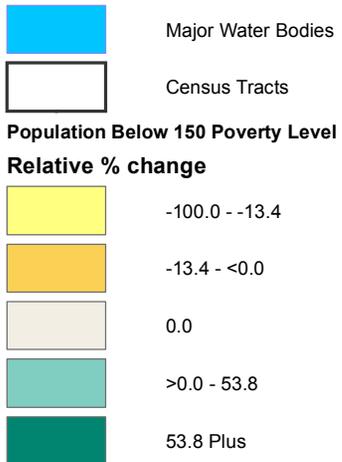


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Map 11

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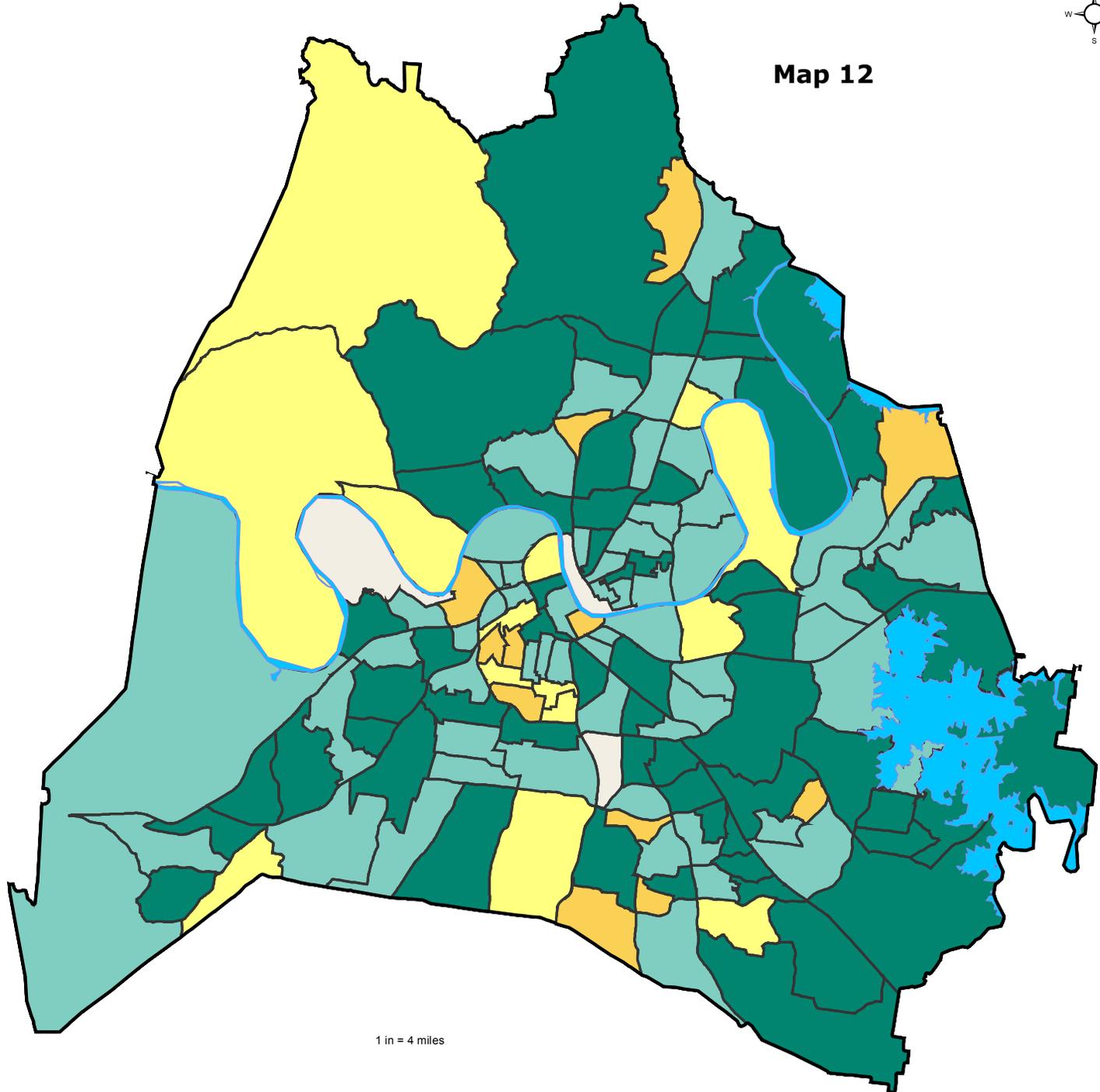
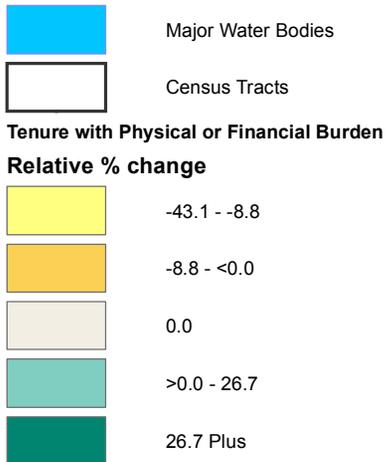


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Map 12

Davidson County Population:

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