

## **APPENDIX D – SOCIOECONOMIC STUDY**

# Glasgow Small Urban Area Planning Study

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## Socioeconomic Study

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## Methodology

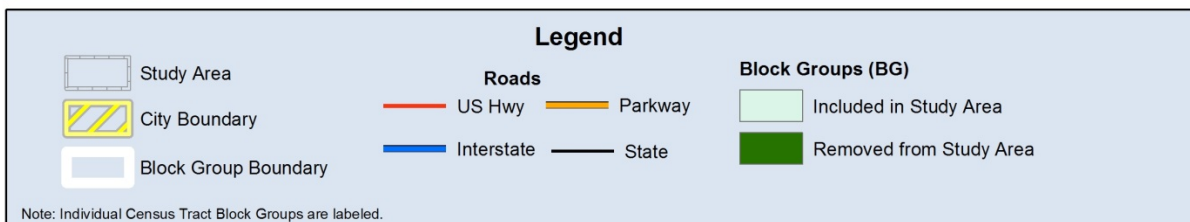
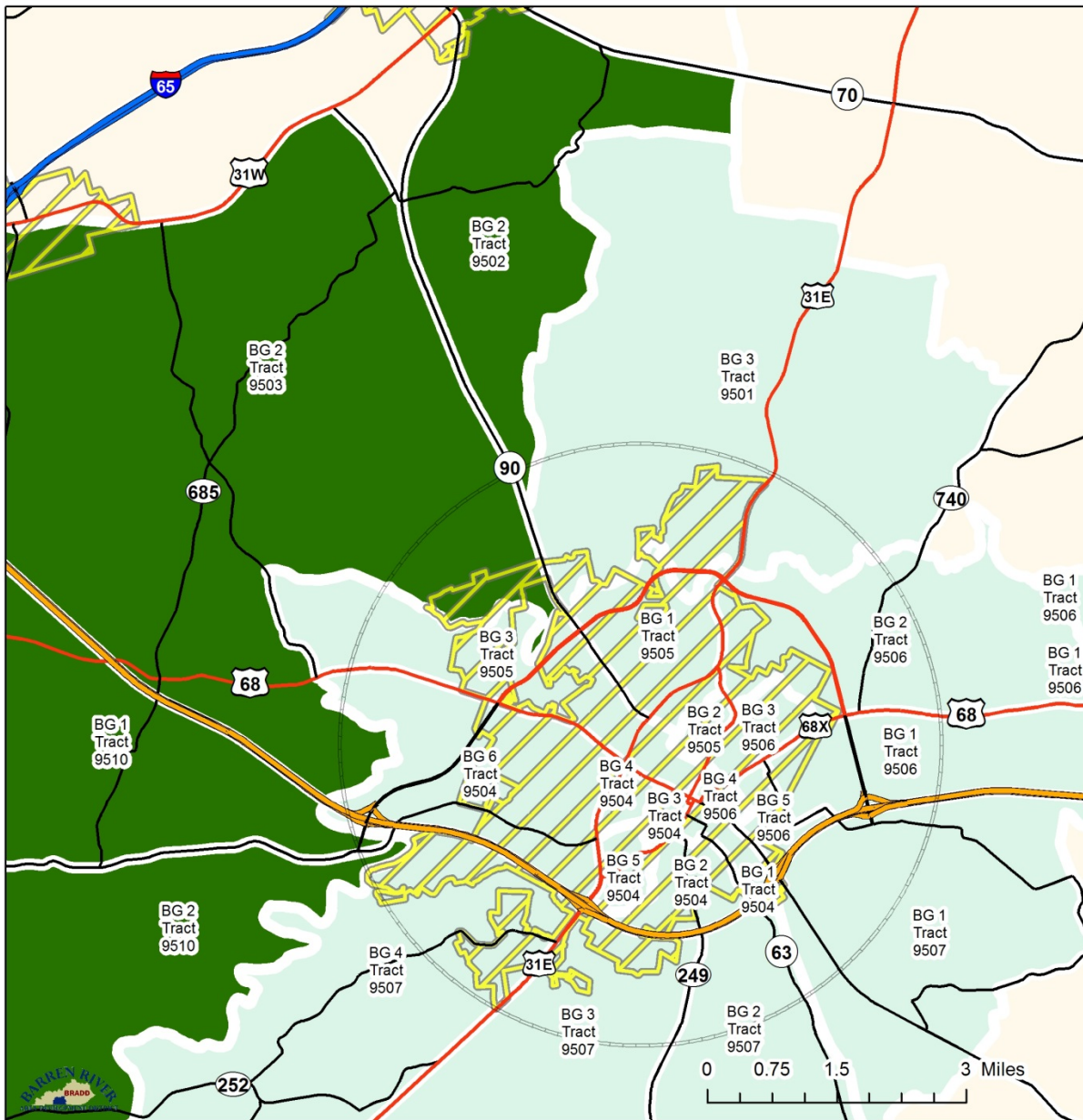
The Glasgow Small Urban Area study area has a defined boundary approximately seven miles in diameter that encompasses the city of Glasgow and portions of the surrounding unincorporated land. There were four Census Tract Block Groups (See Study Area Justification Map; shown in Map 1), that fall within the study area boundary, but have very few homes within a three and one-half mile radius. Aerial photography was used to count the number of structures that appeared to be residential. The counts were then compared with the number of households within each of the four Census Tract Block Groups to determine inclusion in the socioeconomic study. Census Tract 9502 Block Group 2 (0.9% of households within), Census Tract 9503 Block Group 2 (7.4% of households within), Census Tract 9510 Block Group 1 (0.15% of households within) and 2 (0.16% of households within) were not included in the socioeconomic study because greater than 90% of households were not within the seven mile diameter of the study area. The study area includes Block Group 3 of Census Tract 9501; Block Groups 1 through 6 of Census Tract 9504; Block Groups 1 through 3 of Census Tract 9505; Block Groups 1 through 5 of Census Tract 9506 and Block Groups 1 through 4 of Census Tract 9507 all within Barren County.

The American Community Survey 2014 was used to calculate block group level population percentage age 65 and older; disabled percentage; minority population percentage; percentage of limited English proficiency (using speaks English Very Well as the threshold for proficiency); percentage below the poverty line; and median income. The Kentucky and Barren County block group averages were then determined for each socioeconomic factor. The following analysis compares the state and county averages for each socioeconomic factor with the study area block groups.

*The methodologies used in this planning document are appropriate for identifying possible areas of concern in small urban areas and potential project corridors. However, during future phases of project development a more detailed and robust analysis would be required for the NEPA documentation when assessing the potential for adverse and disproportionate impacts to low-income and minority populations.*

# Map 1: Study Area Justification Census Tract Block Groups

## Glasgow Small Urban Area Study



## Analysis

### **Persons Age 65 and Older**

The state average population over age 65 is 14.88%. The Barren County population over age 65 is 16.31%.

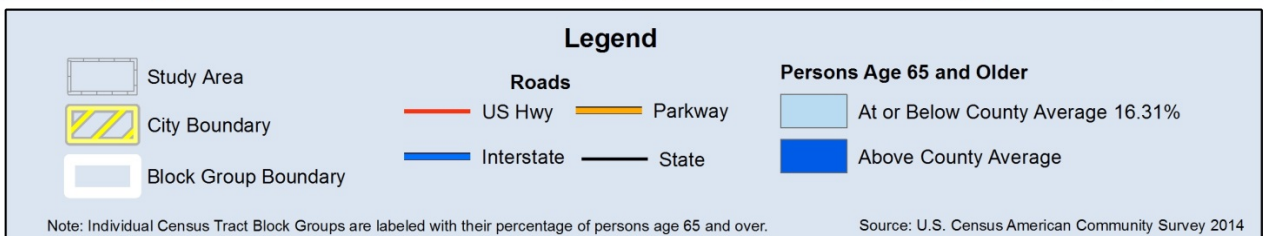
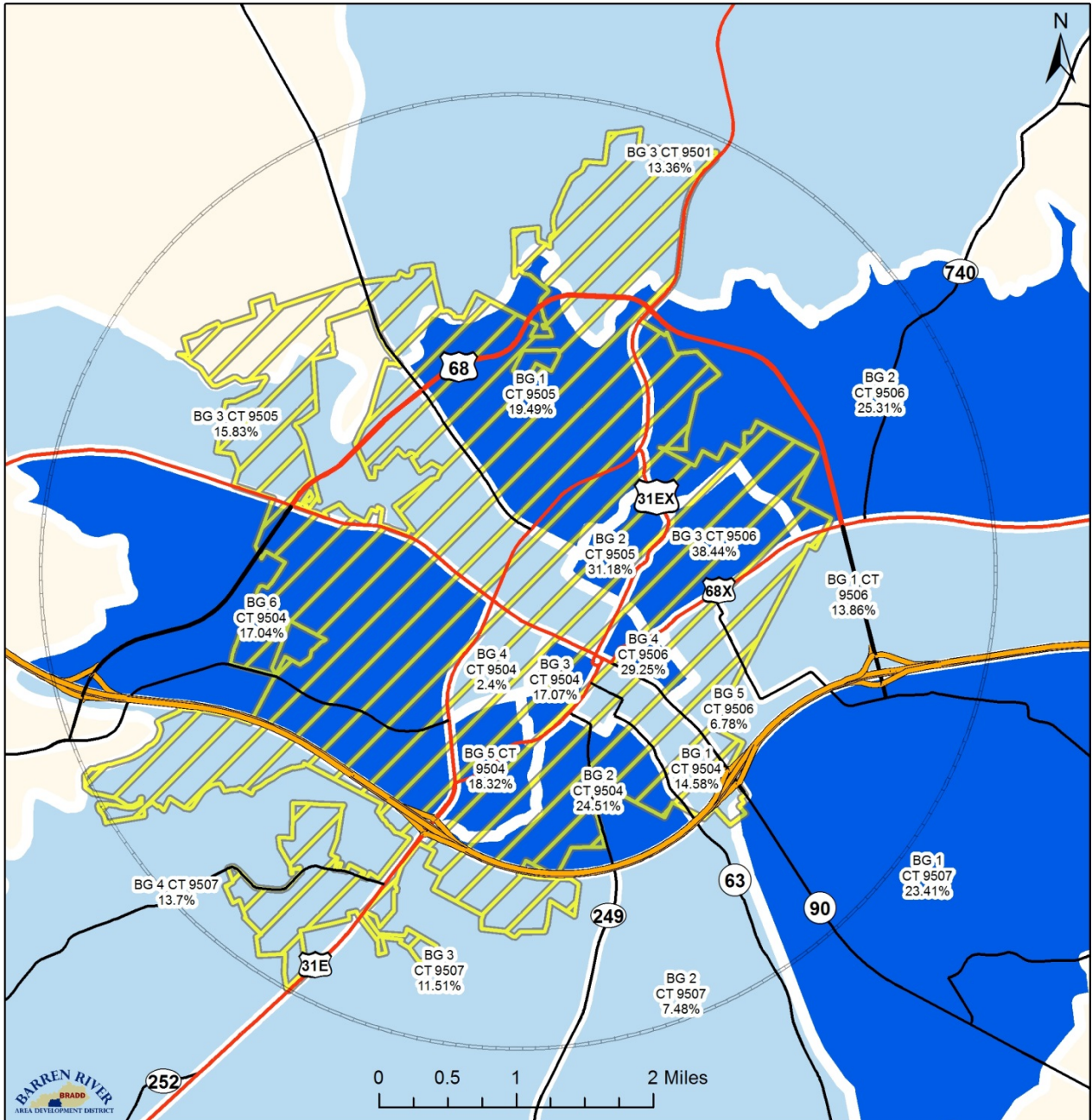
Census Tract 9501 Block Group 3 (13.36%); Census Tract 9504 Block Groups 1(14.58%) and 4 (2.40%); Census Tract 9506 Block Groups 1 (13.86%) and 5 (6.78%); and Census Tract 9507 Block Groups 2 (7.48%), 3 (11.51%) and 4 (13.7%) all have populations below the state and county averages of percentage population age 65 and older.

Census Tract 9504 Block Groups 2 (24.51%), 3 (17.07%), 5 (18.32%) and 6 (17.04%); Census Tract 9505 Block Groups 1(19.49%) and 3 (31.18%); Census Tract 9506 Block Groups 2 (25.31%), 3 (38.44%) and 4 (29.25%); and Census Tract 9507 Block Group 1 (23.41%) are each above the state and county averages of percentage population over age 65.

Census Tract 9505 Block Group 3 falls between the Kentucky and Barren County averages with 15.83% of its population being age 65 and over.

**Map 2: Percentage Persons Age 65 and Over**

**Glasgow Small Urban Area Study**



### **Disabled Persons**

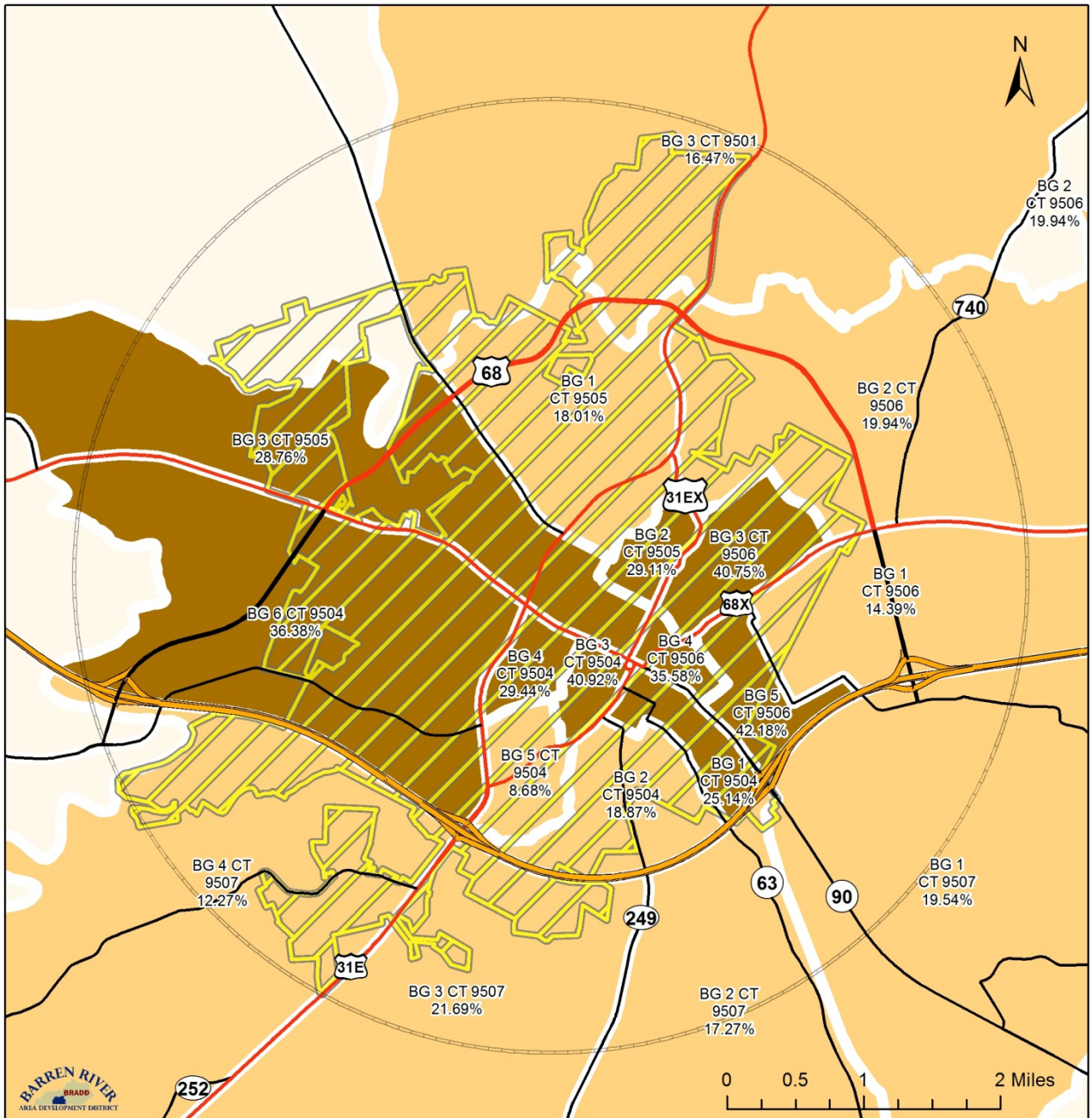
The state average population of disabled persons is 21.84%. The Barren County disabled population is higher than the state with 24.32%.

Census Tract 9501 Block Group 3 (16.47%); Census Tract 9504 Block Groups 2(18.87%) and 5 (8.68%); Census Tract 9505 Block Group 1 (18.01%); Census Tract 9506 Block Groups 1 (14.39%) and 2 (19.94%); and Census Tract 9507 Block Groups 1 (19.54%), 2 (17.27%), 3 (21.69%) and 4 (12.27%) all have populations below the state and county averages of percentage disabled persons.

Census Tract 9504 Block Groups 1 (25.14%), 3 (40.92%), 4 (29.44%) and 6 (36.38%); Census Tract 9505 Block Groups 2 (29.11%) and 3 (28.76%); and Census Tract 9506 Block Groups 3 (40.75%), 4 (35.58%) and 5 (42.18%) are each above the state and county averages of population percentage of disabled persons.

### Map 3: Percentage of Disabled Persons

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Note: Individual Census Tract Block Groups are labeled with their percentage of disabled persons.

Source: U.S. Census American Community Survey 2014

### **Minority Persons**

The state average population percentage of minority persons is 14.18%. The Barren County average is below the state average with 8.69%.

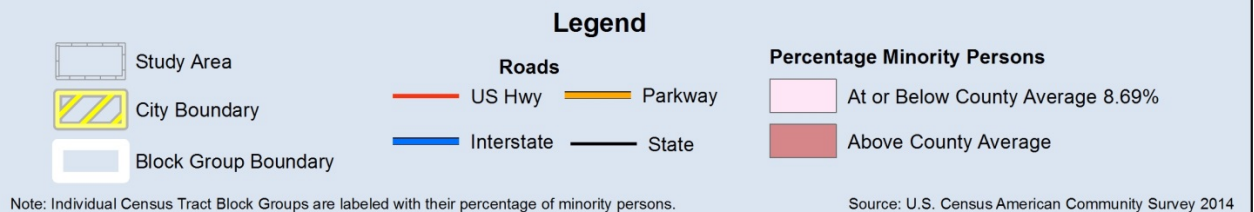
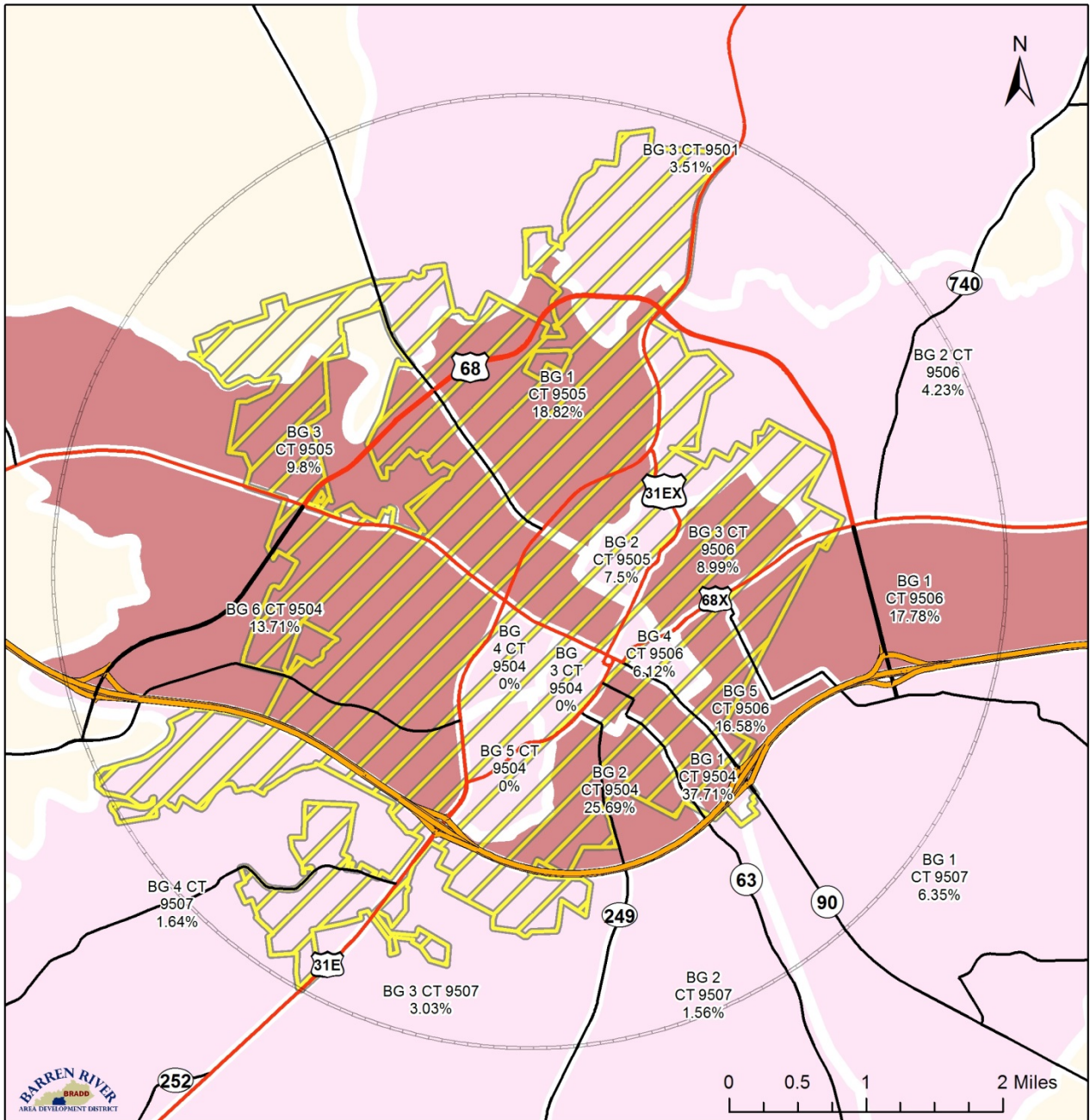
Census Tract 9501 Block Group 3 (3.51%); Census Tract 9504 Block Groups 3 (0%), 4 (0%) and 5 (0%); Census Tract 9505 Block Group 2 (7.5%); Census Tract 9506 Block Groups 2 (4.23%) and 4 (6.12%); and Census Tract 9507 Block Groups 1 (6.35%), 2 (1.56%), 3 (3.03%) and 4 (1.64%) all have populations below the state and county averages of minority population percentage.

Census Tract 9504 Block Groups 1 (37.71%) and 2 (25.69%); Census Tract 9505 Block Group 1 (18.82%); and Census Tract 9506 Block Groups 1 (17.78%) and 5 (16.58%) are each above the state and county averages of percentage population of minority persons.

Census Tract 9504 Block Group 6 (13.71%), Census Tract 9505 Block Group 3 (9.8%); and Census Tract 9506 Block Group 3 (8.99%) fall between the Kentucky and Barren County averages of minority population percentage.

## Map 4: Percentage of Minority Persons

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### **Limited English Proficiency**

The state average population percentage speaking English less than very well is 1.96%. The Barren County population speaking English less than very well is 0.75%.

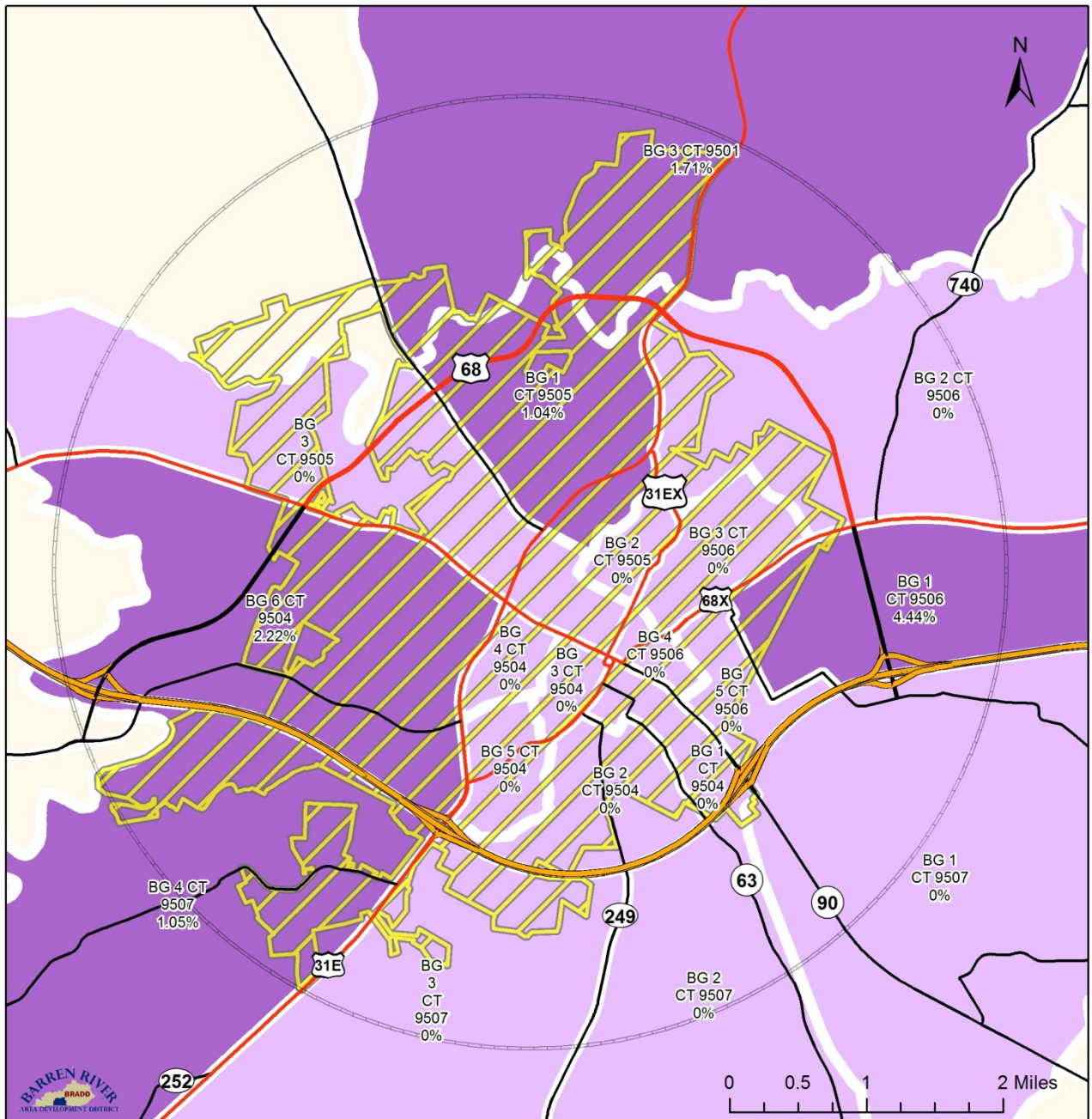
Census Tract 9504 Block Groups 1 ,2,and 4 ; Census Tract 9505 Block Groups 1 and 3; Census Tract 9506 Block Groups 2 through 5; and Census Tract 9507 Block Groups 1 through 3 all have 0.00% of the population speaking English less than very well. Zero percent is well below the state and county averages.

Census Tract 9504 Block Group 6 (2.22%); and Census Tract 9506 Block 1 (4.44%) are each above the state and county averages of percentage population speaking English less than very well.

Census Tract 9501 Block Group 3 (1.71%); Census Tract 9505 Block Group 1(1.04%); and Census Tract 9507 Block Group 4 (1.05%) fall between the Kentucky and Barren County averages of population percentage speaking English less than very well.

**Map 5: Percentage Persons Speaking English Less Than Very Well**

**Glasgow Small Urban Area Study**



Note: Individual Census Tract Block Groups are labeled with their percentage of persons speaking English less than very well.

Source: U.S. Census American Community Survey 2014

### **Income Level**

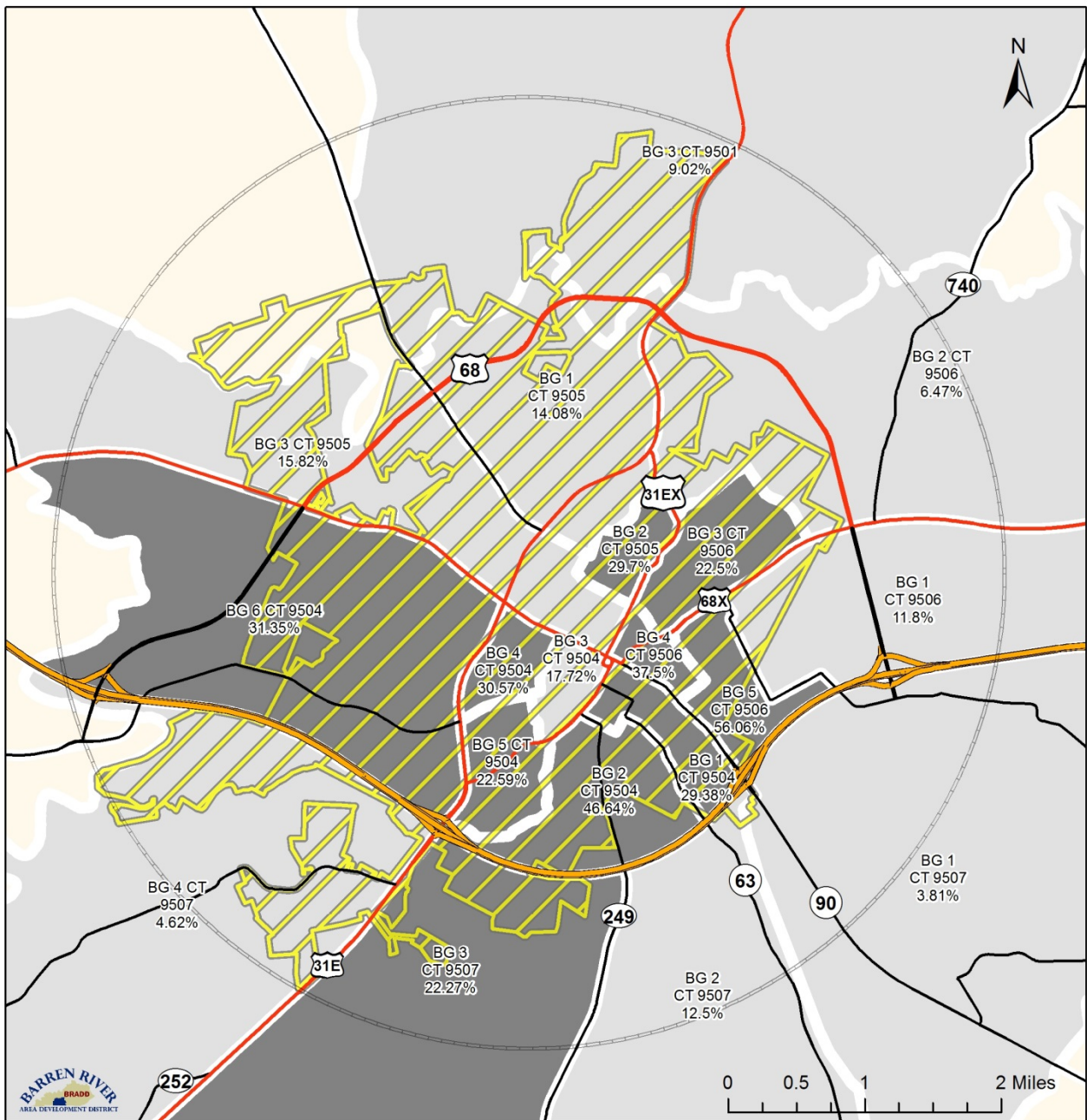
The state average population percentage of persons living below the poverty line is 20.20%. The Barren County population living below the poverty line is 21.65%.

Census Tract 9501 Block Group 3 (9.02%); Census Tract 9504 Block Group 3(17.72%); Census Tract 9505 Block Groups 1(14.08%) and 3 (15.82%); Census Tract 9506 Block Groups 1 (11.80%) and 2 (6.47%); and Census Tract 9507 Block Groups 1 (3.81%), 2 (12.50%) and 4 (4.62%) all have population percentages below the state and county averages of persons living below the poverty line.

Census Tract 9504 Block Groups 1 (29.38%), 2 (46.64%), 4 (30.57%), 5 (22.59%) and 6 (31.35%); Census Tract 9505 Block Group 2 (29.7%); Census Tract 9506 Block Groups 3 (22.5%), 4 (37.5%) and 5 (56.06%); and Census Tract 9507 Block Group 3 (22.27%) are each above the state and county averages of percentage population living below the poverty line.

# Map 6: Percentage Persons Living Below the Poverty Line

## Glasgow Small Urban Area Study



**Legend**

- Study Area
- City Boundary
- Block Group Boundary

**Roads**

- US Hwy
- Interstate
- Parkway
- State

**Persons Below Poverty Line**

- At or Below County Average 21.65%
- Above County Average

Note: Individual Census Tract Block Groups are labeled with their percentage of persons below the poverty line. Source: U.S. Census American Community Survey 2014

## Applicable Laws, Acts and Executive Orders

**Civil Rights Act of 1964, Title VI (42 USC 2000d et seq.)** -This title declares it to be the policy of the United States that discrimination on the grounds of race, color, or national origin shall not occur in connection with programs and activities receiving federal financial assistance, and authorizes and directs the appropriate federal departments and agencies to take action to carry out this policy. The Presidential Memorandum accompanying Executive Order 12898 states that in accordance with this title, each federal agency should ensure that all programs or activities receiving federal financial assistance that affect human health or the environment do not directly, or through contractual or other arrangements, use criteria, methods, or practices that discriminate on the basis of race, color, or national origin.

**Age Discrimination Act of 1975 (42 U.S.C. 6101)**- No person in the United States shall, on the basis of age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.

**Rehabilitation Act of 1973, Section 504 (42 U.S.C. 794, et seq.)**- No qualified handicapped person shall, solely by reason of his handicap, be excluded from participation in, be denied the benefits of, be subjected to discrimination under any program or activity that receives or benefits from Federal financial assistance.

**Americans With Disabilities Act of 1990 ( 42 U.S.C. 12131, et seq.)**- No qualified individual with a disability shall, by reason of such disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination by a department, agency, special purpose district, or other instrumentality of a State or local government.

**Executive Order #12898 (Environmental Justice)**- Directs federal agencies to develop strategies to address disproportionately high and adverse human health or environmental effects of their programs on minority and low-income populations.

**Executive Order #13166 (Limited-English-Proficiency)**- directs federal agencies to evaluate services provided and implement a system that ensures that Limited English Proficiency persons are able to meaningfully access the services provided consistent with and without unduly burdening the fundamental mission of each federal agency.