

Appendix B:

West Plains Demographics: Changes from 2000 to 2010

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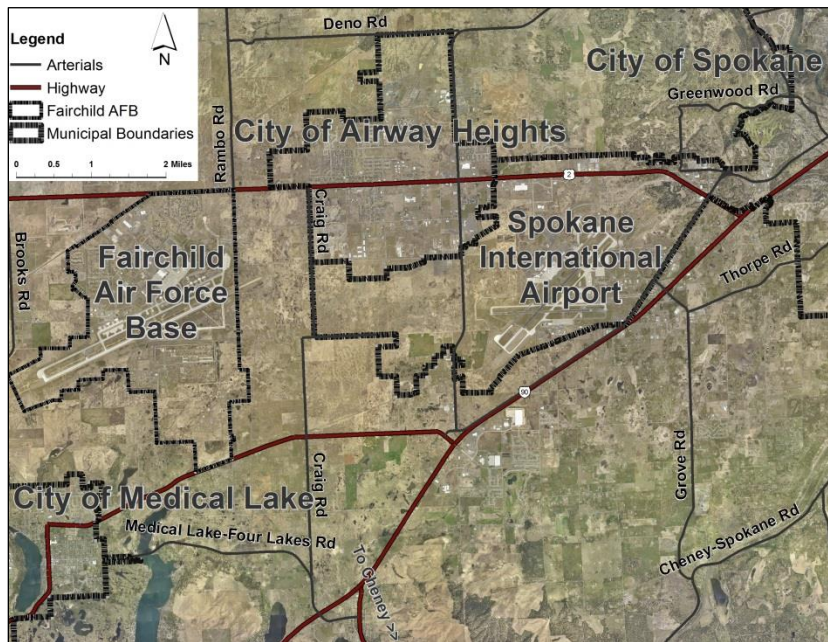


Figure 1: Aerial view of the West Plains area of Spokane County

The West Plains is a mostly rural area of Spokane County, despite easy access to major highways and containing two of the region's largest economic generators—Spokane International Airport and Fairchild Air Force Base. A combination of inexpensive and largely undeveloped land, efficient transportation options, and close proximity to major employment destinations caused the West Plains to grow at a faster rate than Spokane County between the 2000 and 2010 Censuses. This report will focus on demographic changes

in the West Plains to help better predict the future of the area.

West Plains Census Block Groups

The Census Bureau divides the entire nation into a series of divisions that have different levels of detail. Washington State, for example, is subdivided into counties, tracts, block groups, and blocks. The boundaries for Census divisions often change with populations shifts. The Census Bureau does this to keep populations within like divisions similar. The three most detailed census divisions are the tract, block, and block group (See Illustration 1). In a city, a block usually represents a city block, but in sparsely populated areas, blocks can often be bigger in area than tracts in dense cities.

Within Spokane County, between the 2000 and 2010 censuses, tracts largely remained the same; block groups showed more variations; and blocks changed the most. Since blocks are the smallest, one

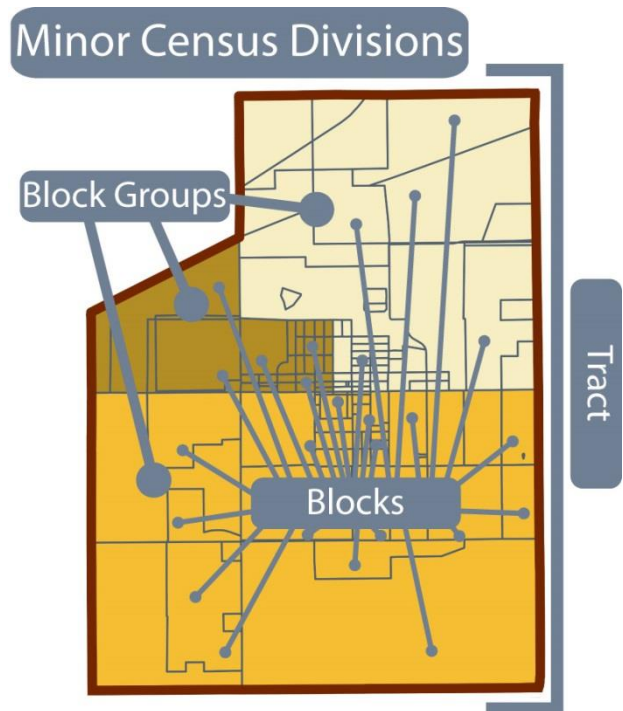


Illustration 1: Tracts, Block Groups, and Blocks are the most detailed census divisions

residential development can cause a single block in one census to be divided into multiple blocks the next census.

Comparing demographic changes between 2000 and 2010 in the West Plains in greater detail than tracts is imperfect because the block and block group boundaries have changed with populations shifts. Figure 2 shows the geographic area used for this report and the changes at the block group level. Despite a growing population on the West Plains, the net number of block groups shrank by two. At the block level, however, population increase caused the number of blocks to rise from 1,504 in 2000 to 1,903 in 2010.

The report will use map, graph, and table data to convey changes in the demographics of the West Plains. The maps represent demographic changes at census block or block group levels while tables show aggregate data within the entire area outlined in Figure 2. For this report, the collection of census block groups outlined in Figure 2 will be referred to as the West Plains.

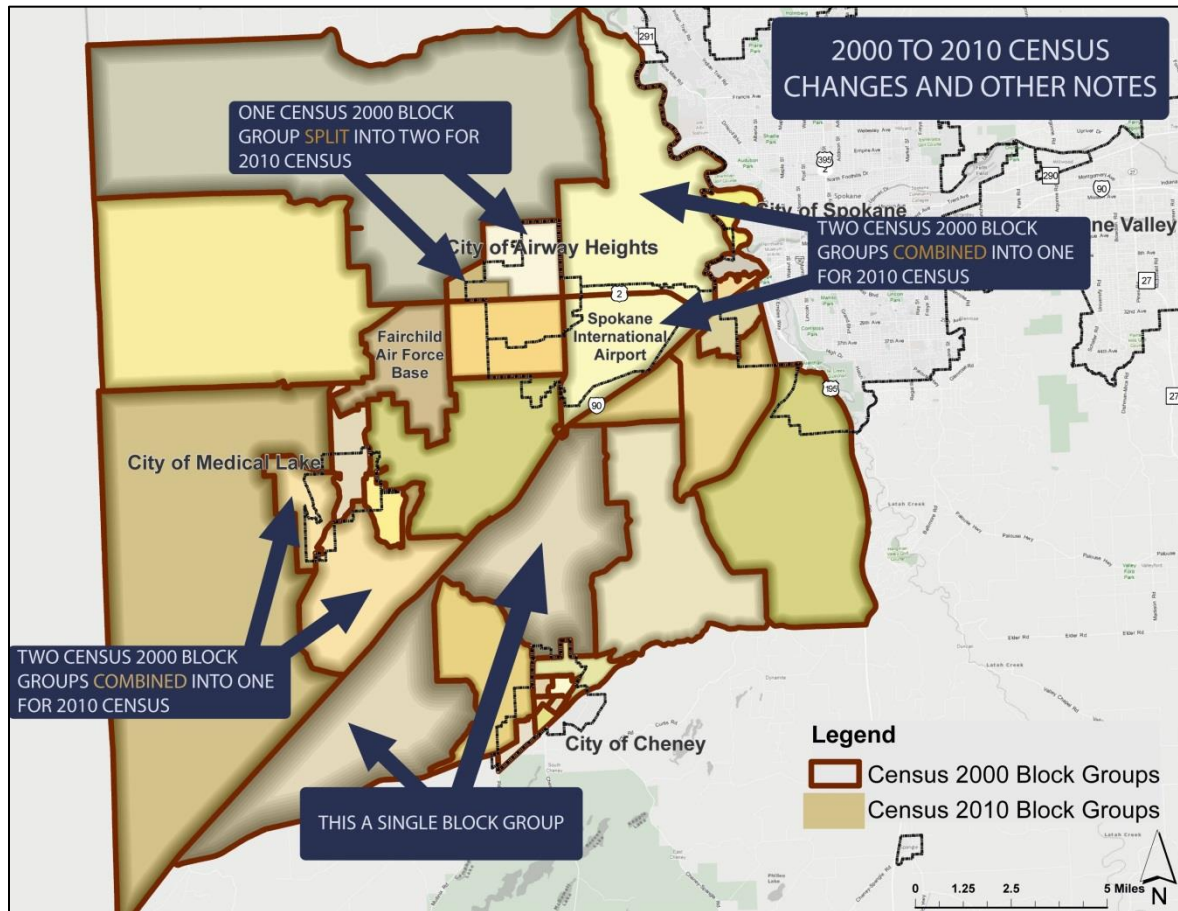


Figure 2: Changes in Census 2000 and 2010 Block Groups. Dialogue boxes point to significant census block boundary changes between 2000 and 2010 Censuses. Also, notice the single block group in the southwest that can appear as two block groups.

Population Data

The population of the West Plains increased nearly 19% between 2000 and 2010, compared to 11.3% for Spokane County as a whole. Figures 3 and 4 below reveal the locations of the population changes. Every block group increased population, except Fairchild Air Force Base, which decreased by more than 1,500 residents. Figure 4 illustrates population density at census block level to show where development is concentrated. Most of the increases in population density occurred around Airway Heights, Medical Lake, and south of the I-90 / Hwy 902 Interchange.

| Population | 2000 | 2010 | % Change 2000-2010 |
|-----------------------------------|---------|---------|--------------------|
| Total Population - West Plains | 40,450 | 49,838 | 18.8% |
| Total Population - Spokane County | 417,939 | 471,221 | 11.3% |

Table 1: Total Populations Changes in the West Plains and Spokane County

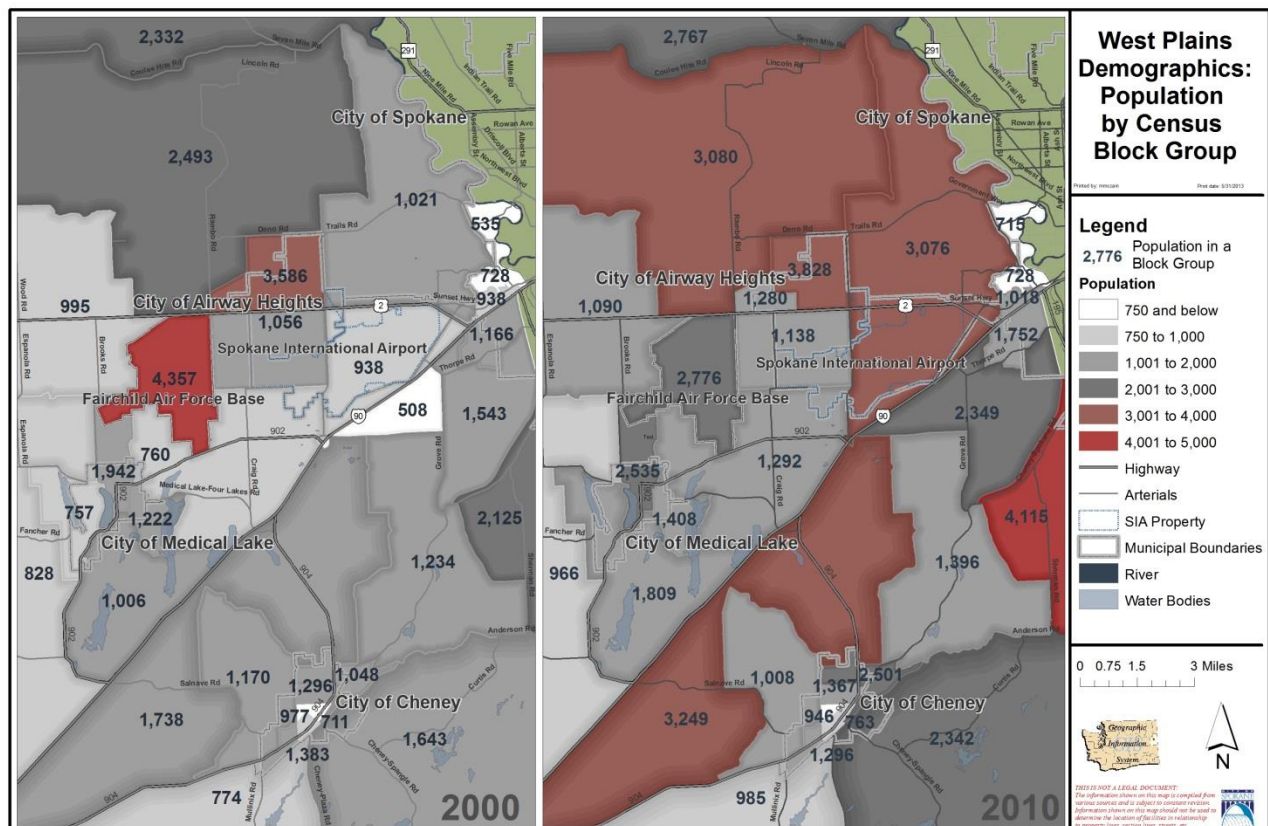


Figure 3: Population by Block Group (See Figure A1 in the Appendix for Block level detail)

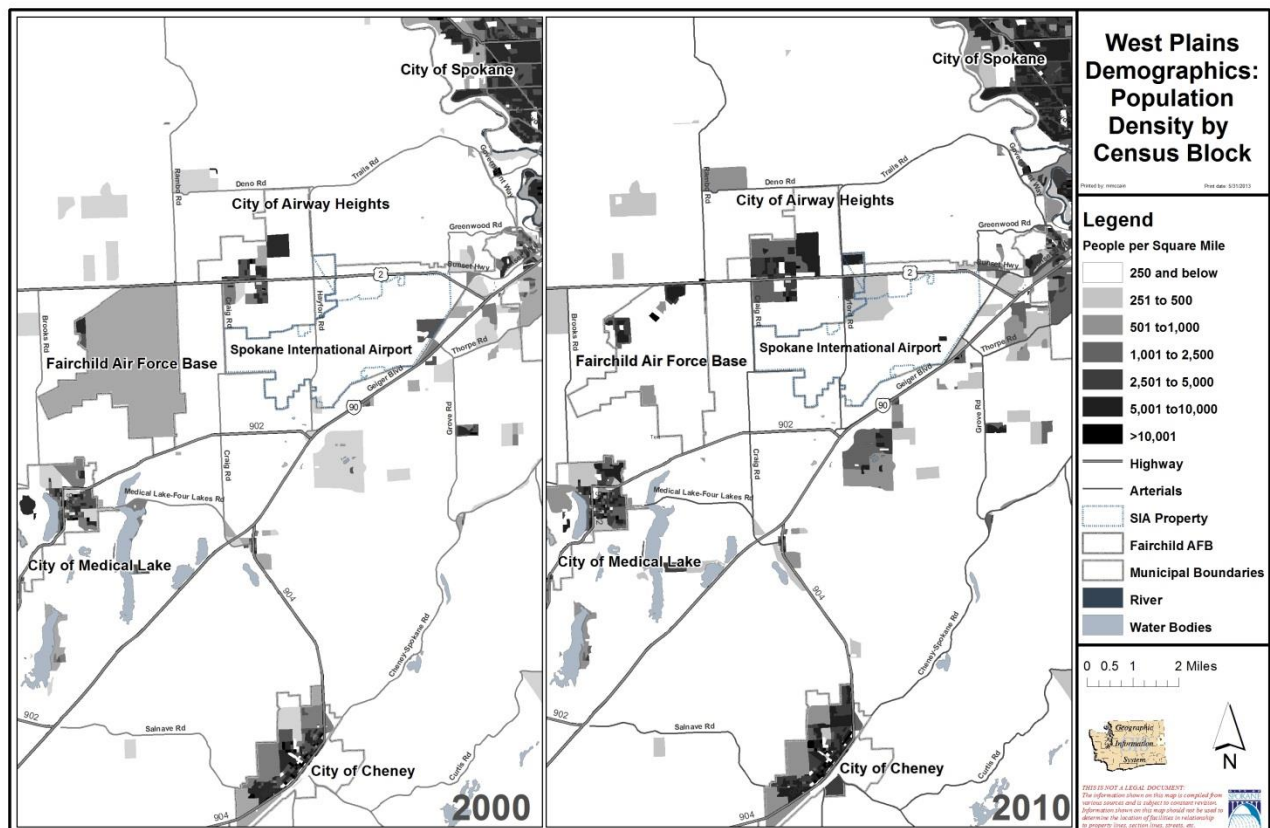


Figure 4: Population density by block. Darker colors represent higher density of residential development.

Age Data

The population increase correlates with an increase of median age of 0.6%. This is due to faster growth of residents above the age of 50 than those below the age of thirty, and a loss of population of people 35 to 44 (see Chart 1 below). Figure 5 shows where shifts in age occurred. The rural block groups on the northern and western edge of the study aged similarly to each other—a four to six year increase of median age. The remaining block groups are more variable.

| Age | 2000 | 2010 | % Change 2000-2010 |
|------------|------|------|--------------------|
| Median Age | 32.9 | 33.1 | 0.6% |

Table 2: Change of Median Age of the West Plains

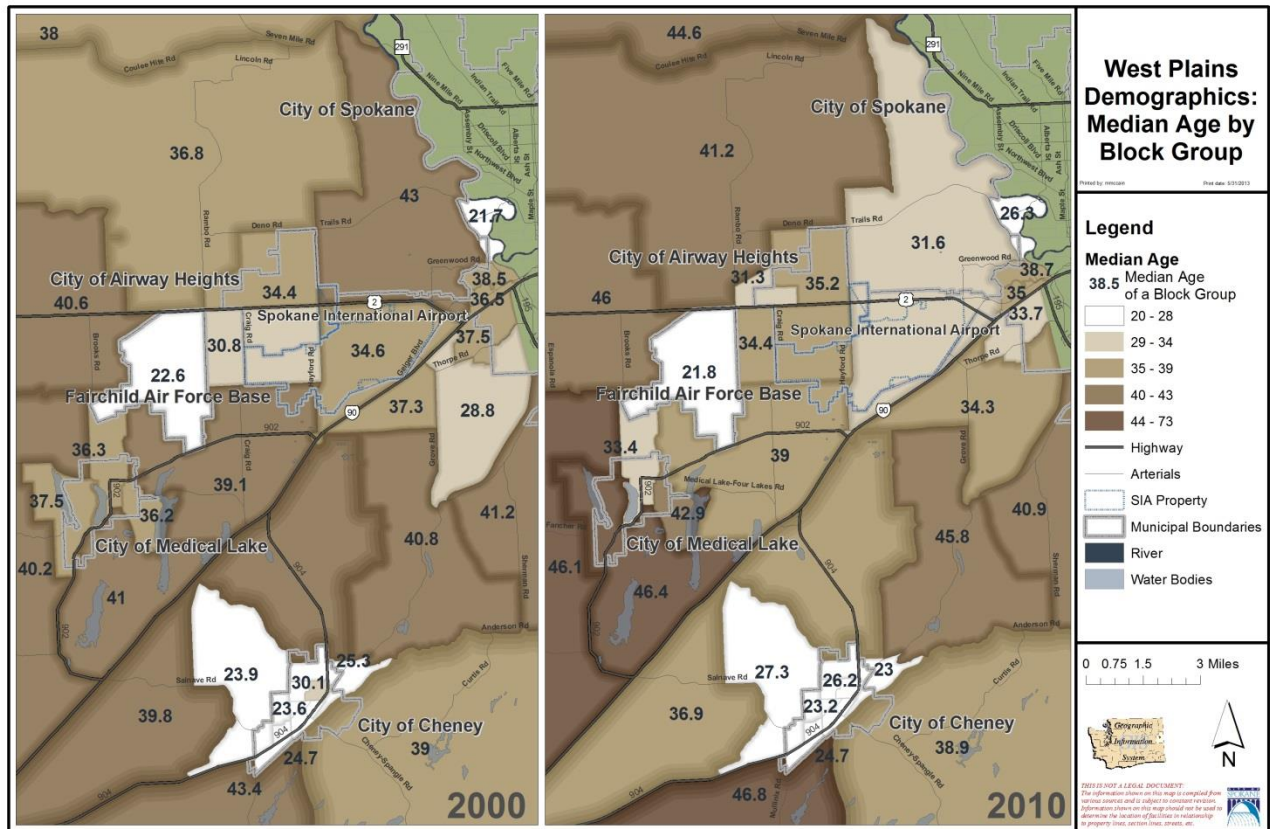


Figure 5: Median Age by Block Group. The block groups at the northern and western edges show the most similar patterns of aging. Trends in neighboring block groups elsewhere are harder to decipher.

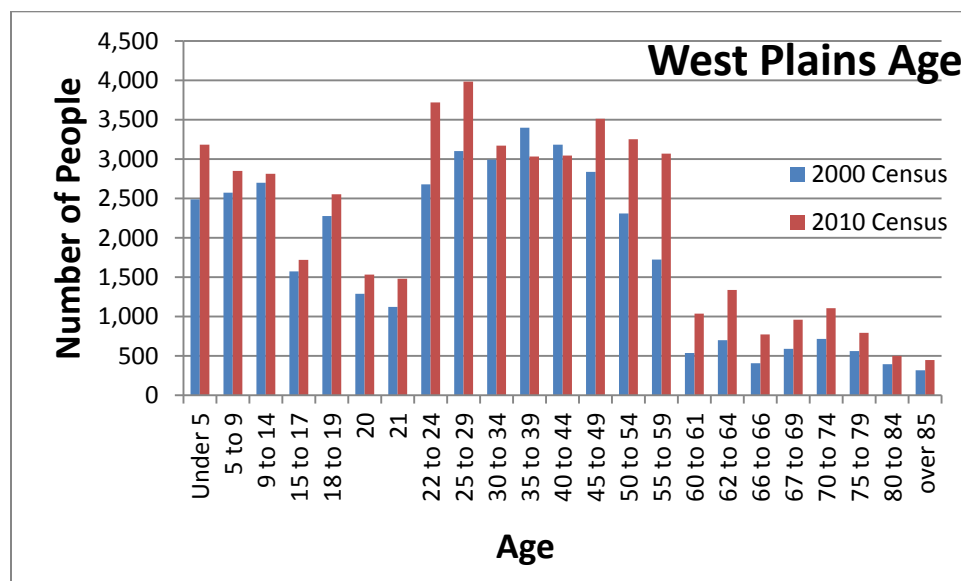


Chart 1: Comparing changes in age groups on the West Plains. The age groups are defined by the Census Bureau.

Income Data

Median household income grew 2.6% on the West Plains, after adjusting 2000 Census data 1.35% to correlate 1999 dollars to 2011 dollars¹. The most recent income data is available in the American Community Survey 5-year (2007 to 2011) estimate. While still below the Spokane County household income median, the income gap between the County and West Plains shrank 6%. Figure 6 compares median income on the West Plains to that of Spokane County and figure 7 shows changes in Median Income on the West Plains.

| Median Household Income (MHI) | 2000 | 2011 | % Change 2000-2010 |
|--|---------------|---------------|-------------------------------|
| West Plains MHI (2011 Dollars) | 46,394 | 47,620 | 2.6% |
| Spokane County MHI (2011 Dollars) | 53,173 | 51,115 | -4% |
| West Plains MHI as a percentage of Spokane County MHI | 87% | 93% | 6% |

Table 3: Change in Median Household Income of the West Plains (2011 data from American Community Survey 5-year estimate, 2007-2011)

¹ 2011 inflation rate derived from the Department of Labor CPI Inflation Calculator (http://www.bls.gov/data/inflation_calculator.htm). Income data in the 2000 Census is reported in 1999 dollars. Income data for the 5-year (2007-2011) American community survey is reported in 2011 dollars.

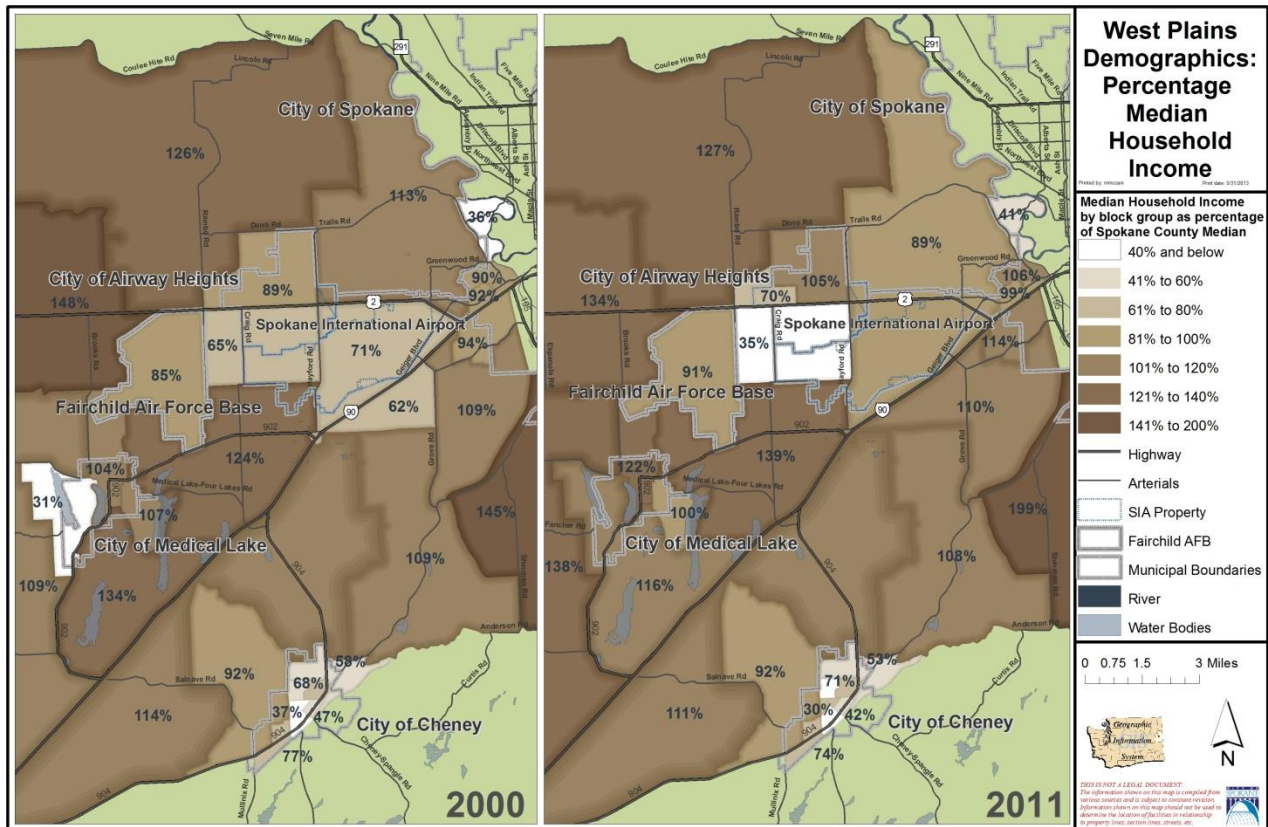


Figure 6: Median household income as percentage of Spokane County median household income

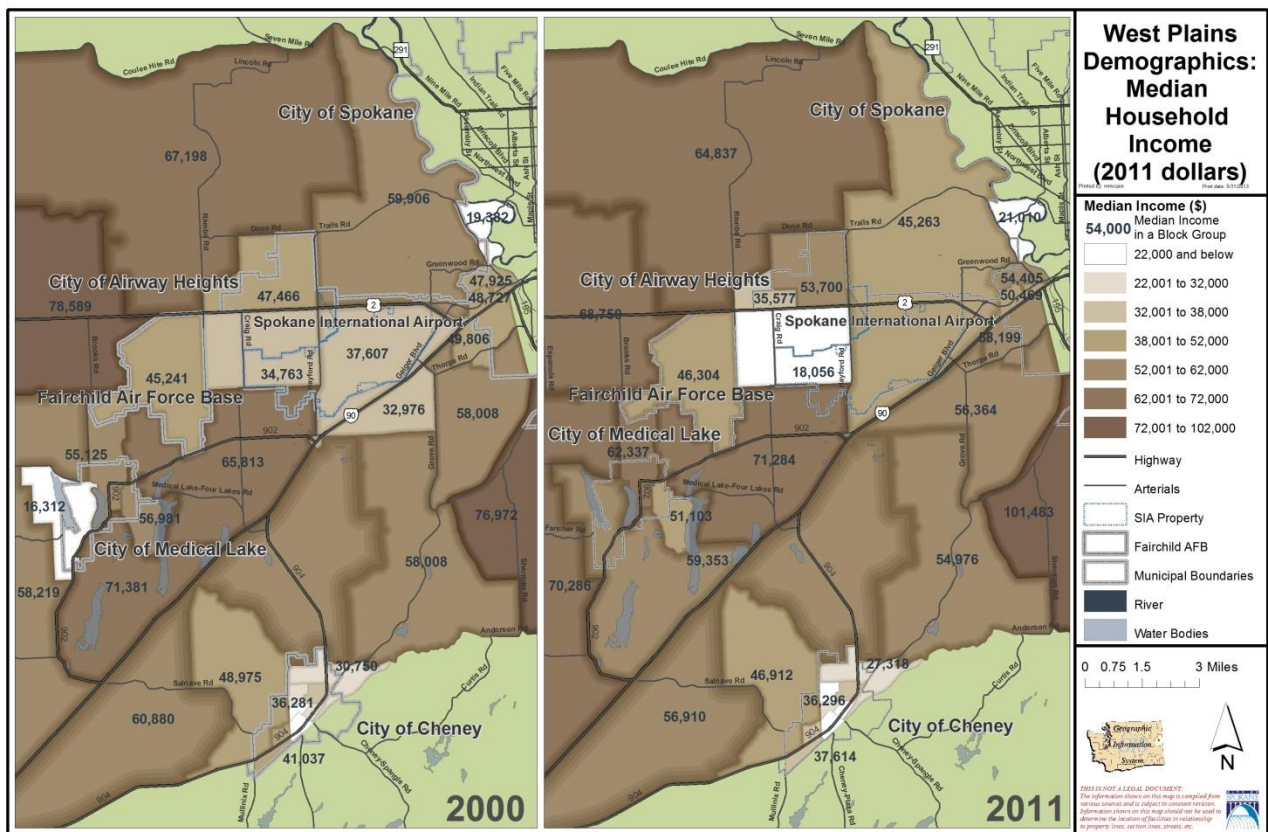


Figure 7: Median Household Income (2011 dollars). 2000 Census income data is adjusted by 1.35% to reflect 2011 inflation.

Household Data

The number of households on the West Plains increased faster than the population by 25.2% to 18.8% respectively. 'Family' households, which contain two or more people in a housing unit who are related by marriage, birth, or adoption, grew slower than 'One person' and 'Non-family, more than one person' households. That non-family and single person homes outpaced family housing units might explain why total households grew faster than population and average household size shrank 0.2%. Figure 8 illustrates changes in average household size by block group.

| Household | 2000 | 2010 | % Change 2000-2010 |
|----------------------------------|--------|--------|--------------------|
| Total Households | 13,381 | 17,898 | 25.2% |
| Average household size | 2.462 | 2.458 | -0.2% |
| One person | 2,930 | 4,394 | 33.3% |
| Family | 9,173 | 11,482 | 20.1% |
| Non-family, more than one person | 1,278 | 2,022 | 36.8% |

Table 4: Change in Household demographics on the West Plains.

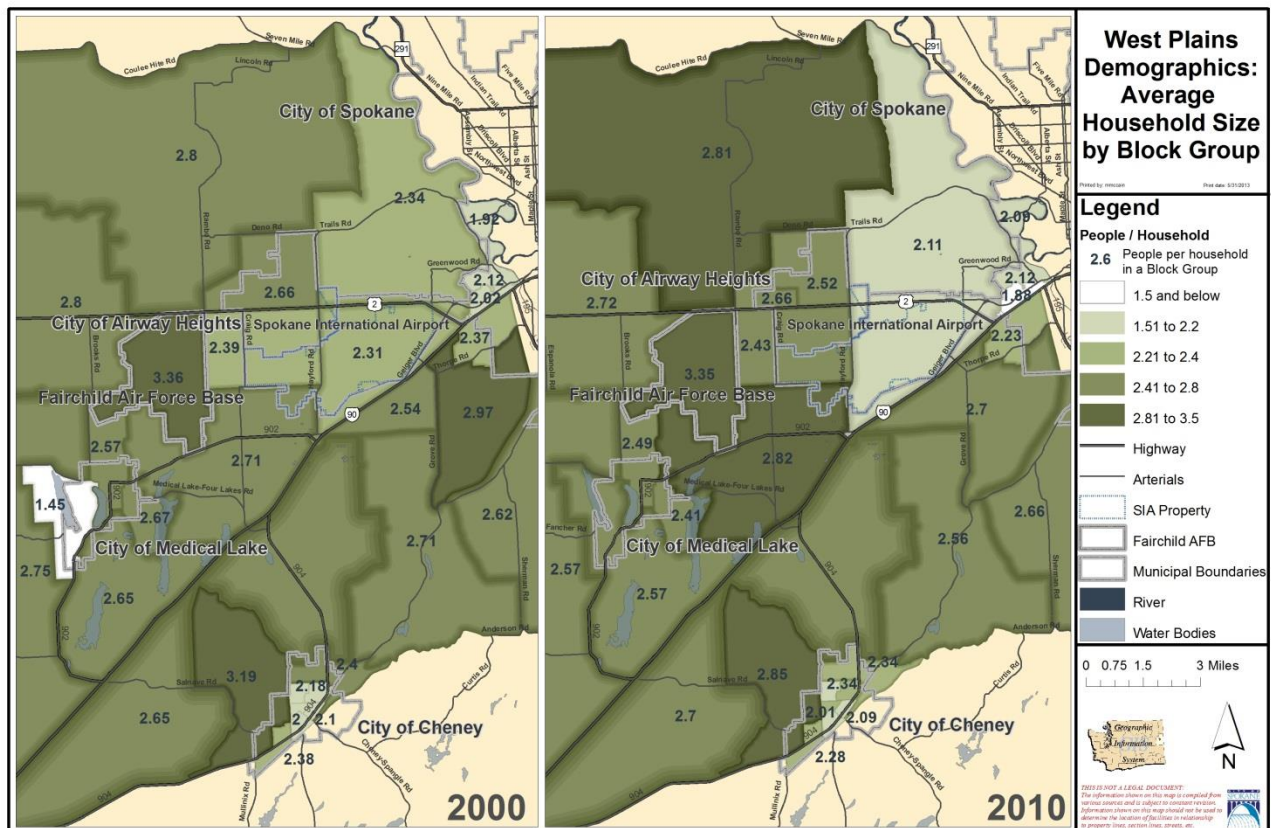


Figure 8: Average household size by Block Group (See Figure A2 in appendix for Block level detail)

Housing Data

On the West Plains, total housing units—occupied and vacant—increased nearly 26%. Vacant units increased by a greater percentage than occupied units, but over 90% of units were occupied in 2010. Owner-occupied units outpaced renter-occupied by 2.5%. Figure 9 shows the changes in housing units by block group and figure 10 illustrates the rental share of total units.

| Housing | 2000 | 2010 | % Change 2000-2010 |
|--|---------------|---------------|-------------------------------|
| Total Units | 14,413 | 19,457 | 25.9% |
| Occupied Units | 13,381 | 17,898 | 25.2% |
| Owner Occupied | 7,732 | 10,485 | 26.3% |
| Renter Occupied | 5,649 | 7,413 | 23.8% |
| Vacant Units | 1,032 | 1,559 | 33.8% |
| For rent | 454 | 697 | 34.9% |
| For sale only | 153 | 227 | 32.6% |
| Sold, not occupied | 84 | 58 | -44.8% |
| For seasonal, recreation, or occasional use | 95 | 159 | 40.3% |
| Other | 245 | 382 | 35.9% |

Table 5: Change of Median Age of the West Plains (2011 data from American Community Survey 5-year estimate, 2007-2011)

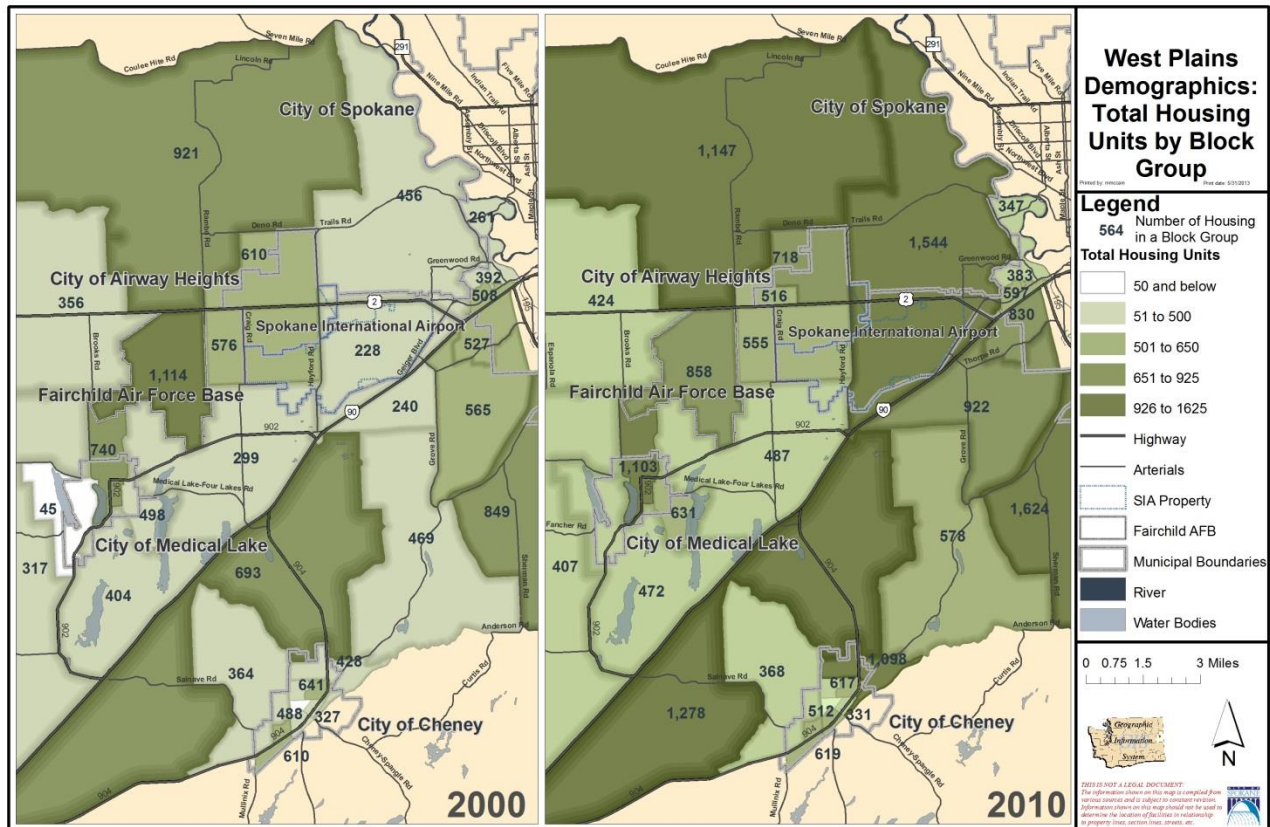


Figure 9: Total housing units by block group (See Figure A3 in appendix for block level detail)

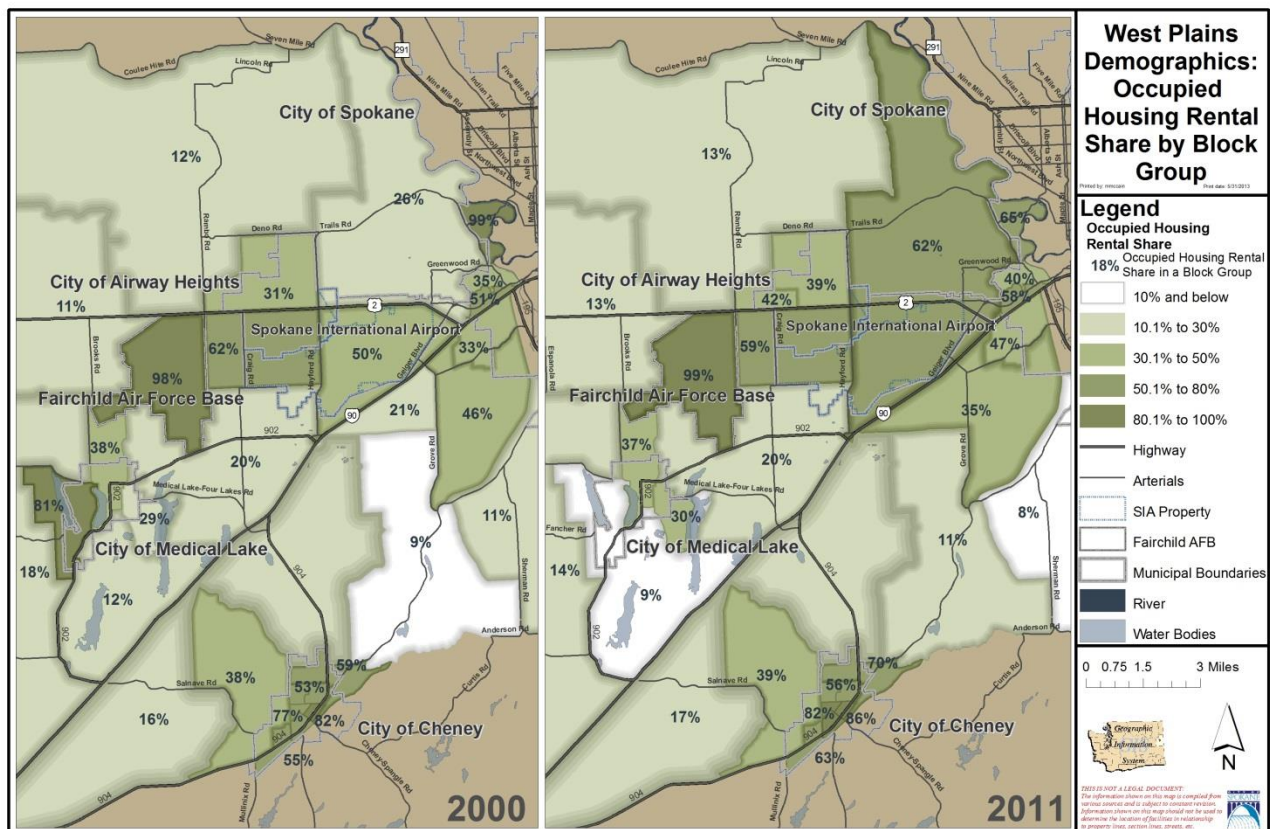


Figure 10: Rental Share by block group (See Figure A4 in appendix for block level detail)

Appendix

Full West Plains Demographic table:

| WEST PLAINS DEMOGRAPHICS | 2000 | 2010 | % Change 2000-2010 |
|-----------------------------------|-------------|-------------|-------------------------------|
| Total Population - West Plains | 40,450 | 49,838 | 18.8% |
| Total Population - Spokane County | 417,939 | 471,221 | 11.3% |
| Age | | | |
| Median Age | 32.9 | 33.1 | 0.6% |
| Under 5 | 2,488 | 3,182 | 21.8% |
| 5 to 9 | 2,573 | 2,848 | 9.7% |
| 9 to 14 | 2,697 | 2,813 | 4.1% |
| 15 to 17 | 1,574 | 1,719 | 8.4% |
| 18 to 19 | 2,276 | 2,552 | 10.8% |
| 20 | 1,289 | 1,531 | 15.8% |
| 21 | 1,121 | 1,479 | 24.2% |
| 22 to 24 | 2,676 | 3,719 | 28% |
| 25 to 29 | 3,101 | 3,982 | 22.1% |
| 30 to 34 | 2,991 | 3,169 | 5.6% |
| 35 to 39 | 3,397 | 3,031 | -12.1% |
| 40 to 44 | 3,182 | 3,045 | -4.5% |
| 45 to 49 | 2,838 | 3,512 | 19.2% |
| 50 to 54 | 2,308 | 3,249 | 29% |
| 55 to 59 | 1,722 | 3,069 | 43.9% |
| 60 to 61 | 536 | 1,034 | 48.2% |
| 62 to 64 | 700 | 1,335 | 47.6% |
| 66 to 66 | 404 | 770 | 47.5% |
| Age | 2000 | 2010 | % Change 2000-2010 |
| 67 to 69 | 589 | 960 | 38.6% |

| | | | |
|---|--------|--------|--------|
| 70 to 74 | 715 | 1,103 | 35.2% |
| 75 to 79 | 561 | 790 | 29% |
| 80 to 84 | 395 | 500 | 21% |
| over 85 | 317 | 446 | 28.9% |
| Sex | | | |
| Male | 21,439 | 26,230 | 18.3% |
| Female | 19,011 | 23,608 | 19.5% |
| Housing | | | |
| Total Units | 14,413 | 19,457 | 25.9% |
| Occupied Units | 13,381 | 17,898 | 25.2% |
| Owner Occupied | 7,732 | 10,485 | 26.3% |
| Renter Occupied | 5,649 | 7,413 | 23.8% |
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| Income | | | |
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| % (W.P Median Income / Spokane County Median Income) | 87% | 93% | 6% |

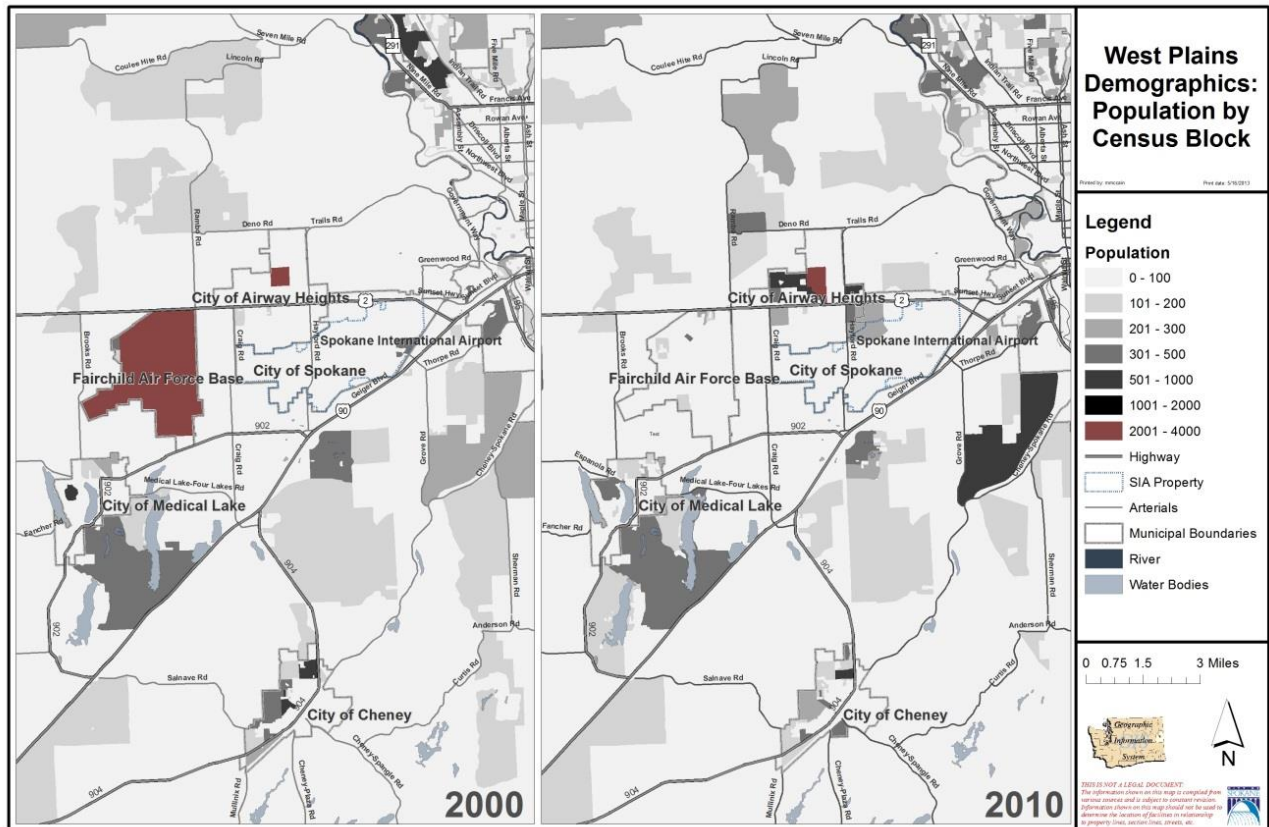


Figure A1: Population by Block

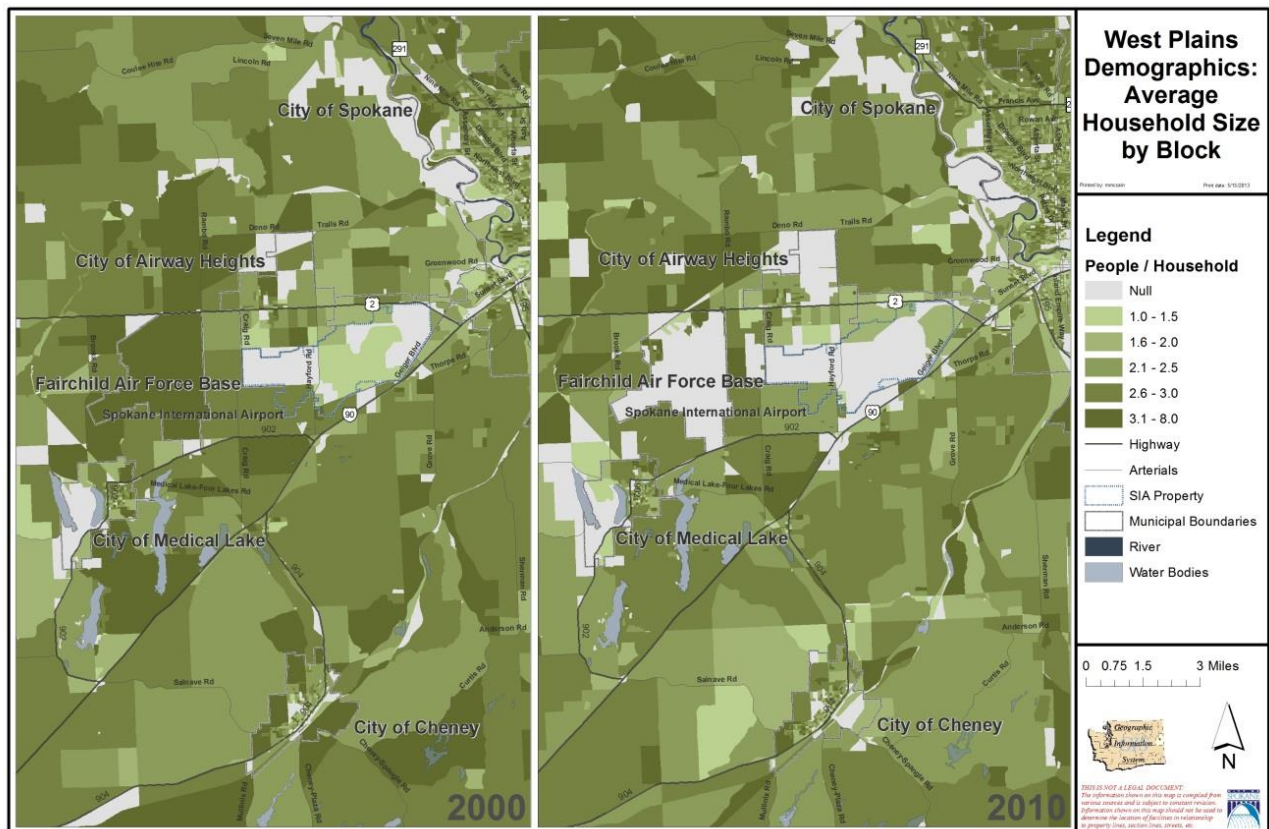


Figure A2: Average household size by Block

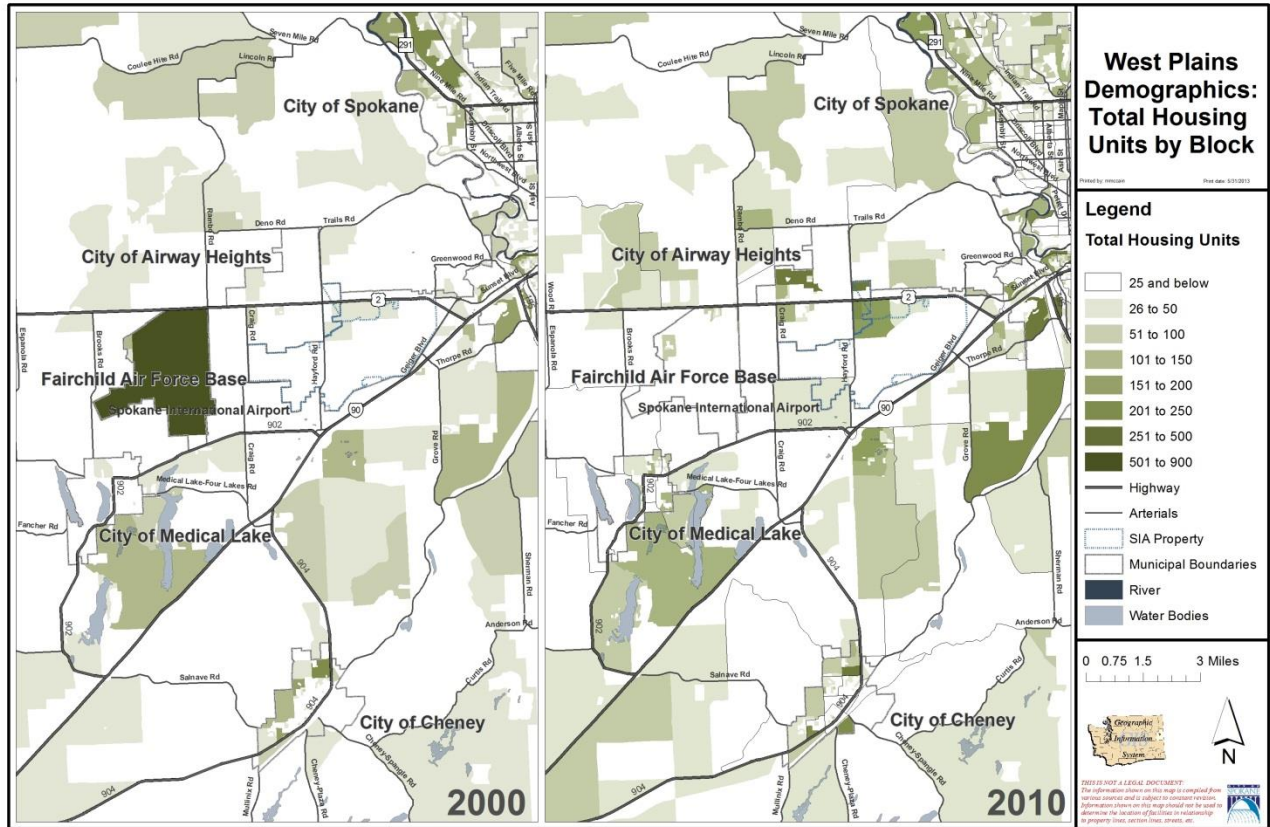


Figure A3: Total Housing Units by block



Figure A4: Occupied Housing Rental Share by block