

## Demographics

Market research firms have been using highly accurate block group projections for years to find “hot spots” of real estate. ESRI Business Information Solutions (ESRI BIS), the company who provides the data, uses a time series of estimates from the U.S. Bureau of the Census that includes the latest estimates, 2001, and inter-censal (1991-1999) estimates adjusted for error of closure. The Census Bureau’s time series is consistent, but testing has revealed improvement in accuracy by using a variety of different sources to track county population trends. ESRI BIS also employs a time series of building permits and housing starts plus residential deliveries. Finally, local data sources that tested well against Census 2000 are reviewed. Sources of data include an assortment of government and commercial sources such as the 2000-01 Supplementary Surveys of the Census Bureau, the Bureau of Labor Statistics’ (BLS) Local Area Unemployment Statistics (LAUS) program, the BLS’ Occupational Employment Statistics (OES) program, *InfoUSA*, the U.S. Bureau of the Census’ Current Population Survey (CPS), National Planning Association Data Service (NPA Data Service), and the Census Bureau’s 2000-01 Supplementary Surveys.

Data sources are integrated together and can then be analyzed by Census Block Groups. These are 5-year projections, which give an idea of what the ACPS will look like in 2010, indicating areas of current and projected growth. Several tables have been developed to give an idea of how various age groups (district-wide) are projected to grow or decline. Additional tables reflect projections for household and family size.

In addition to the tables, a map has been generated to illustrate the percent of population change for the entire ACPS. The map is color-coded by growth intensity, and percentage ranges are grouped in 5 separate categories, so they can easily be analyzed spatially.



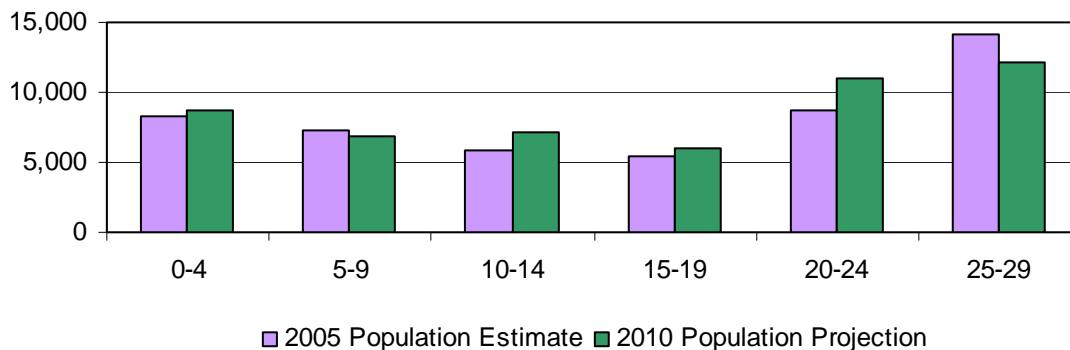
State of Virginia		
Age Group	2005 Population Estimate	2010 Population Projection
0-4	498,392	540,703
5-9	493,115	493,130
10-14	532,318	566,071
15-19	526,627	572,741
20-24	532,566	602,393
25-29	473,540	491,850

Source: US Census Bureau

Alexandria City Public Schools		
Age Group	2005 Population Estimate	2010 Population Projection
0-4	8,301	8,743
5-9	7,288	6,911
10-14	5,869	7,175
15-19	5,436	6,062
20-24	8,782	11,034
25-29	14,137	12,146

Source: US Census Bureau

**Alexandria City Public Schools  
 2005 Population Estimate vs. 2010 Population Projection**



Alexandria City Public Schools Average Household Size	
2005 Estimate	2010 Projection
2.11	2.11

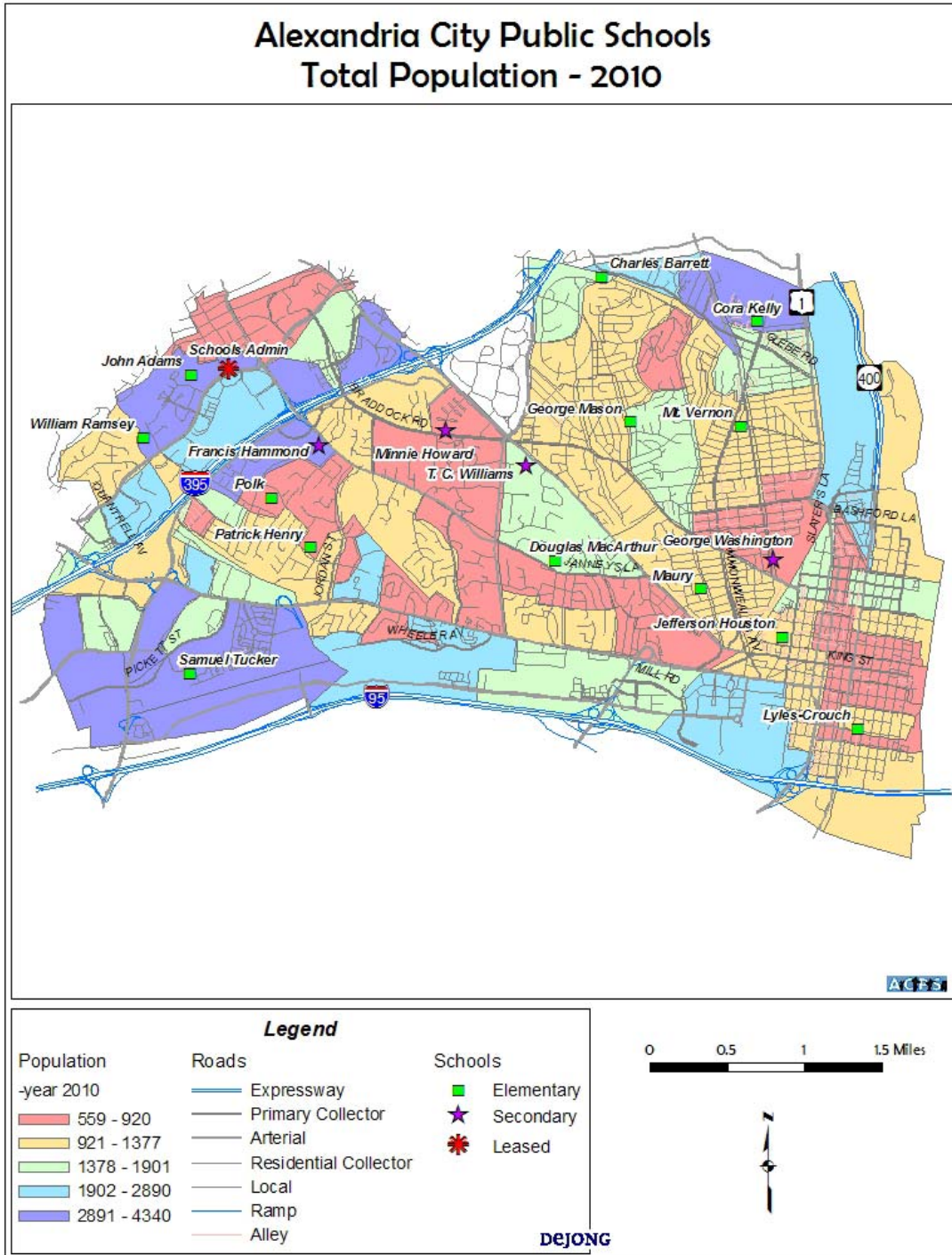
Source: US Census Bureau

Alexandria City Public Schools Average Family Size	
2005 Estimate	2010 Projection
2.85	2.89

Source: US Census Bureau

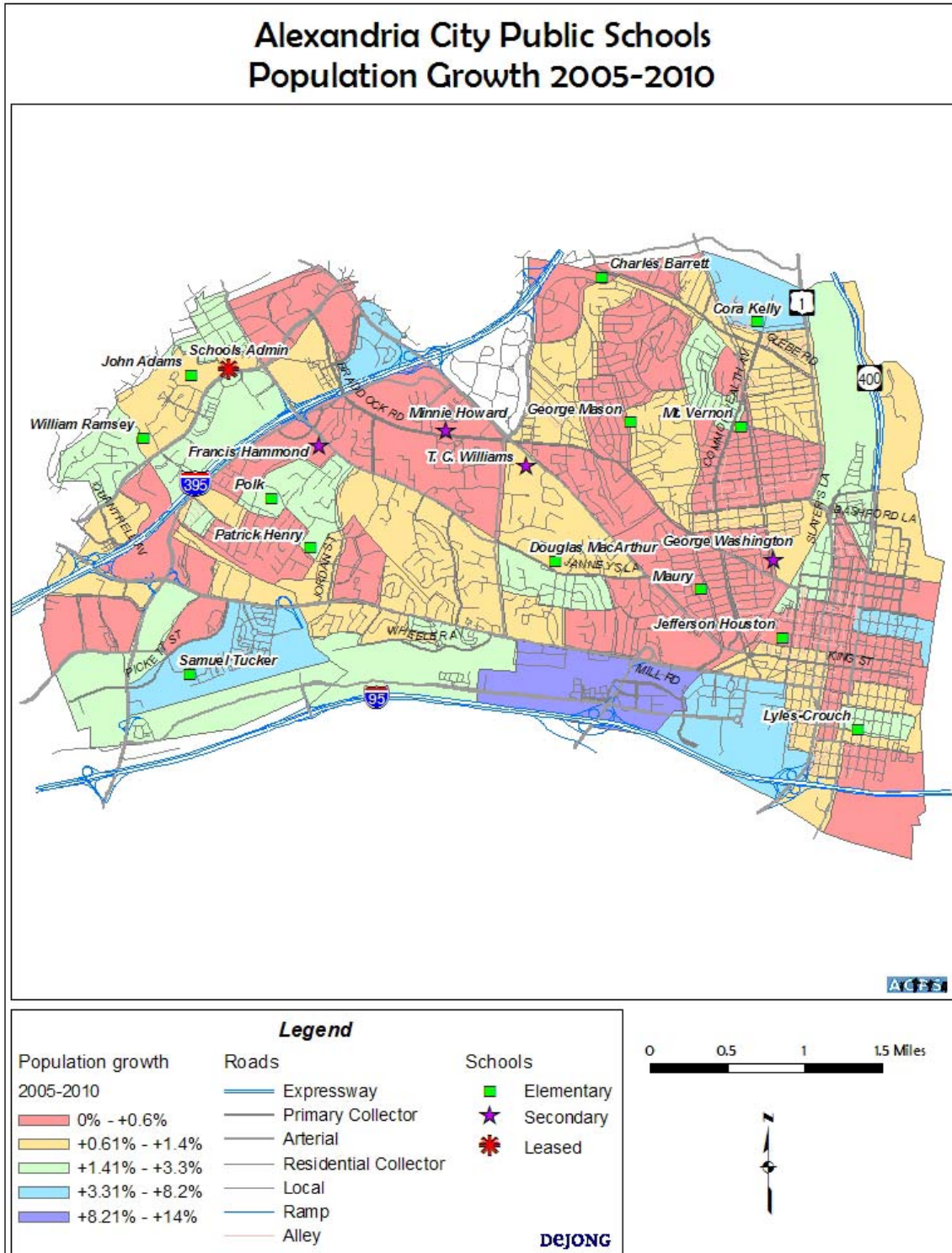
### Total Population

This map shows the projected population by block group for the Alexandria City Public Schools in 2010.



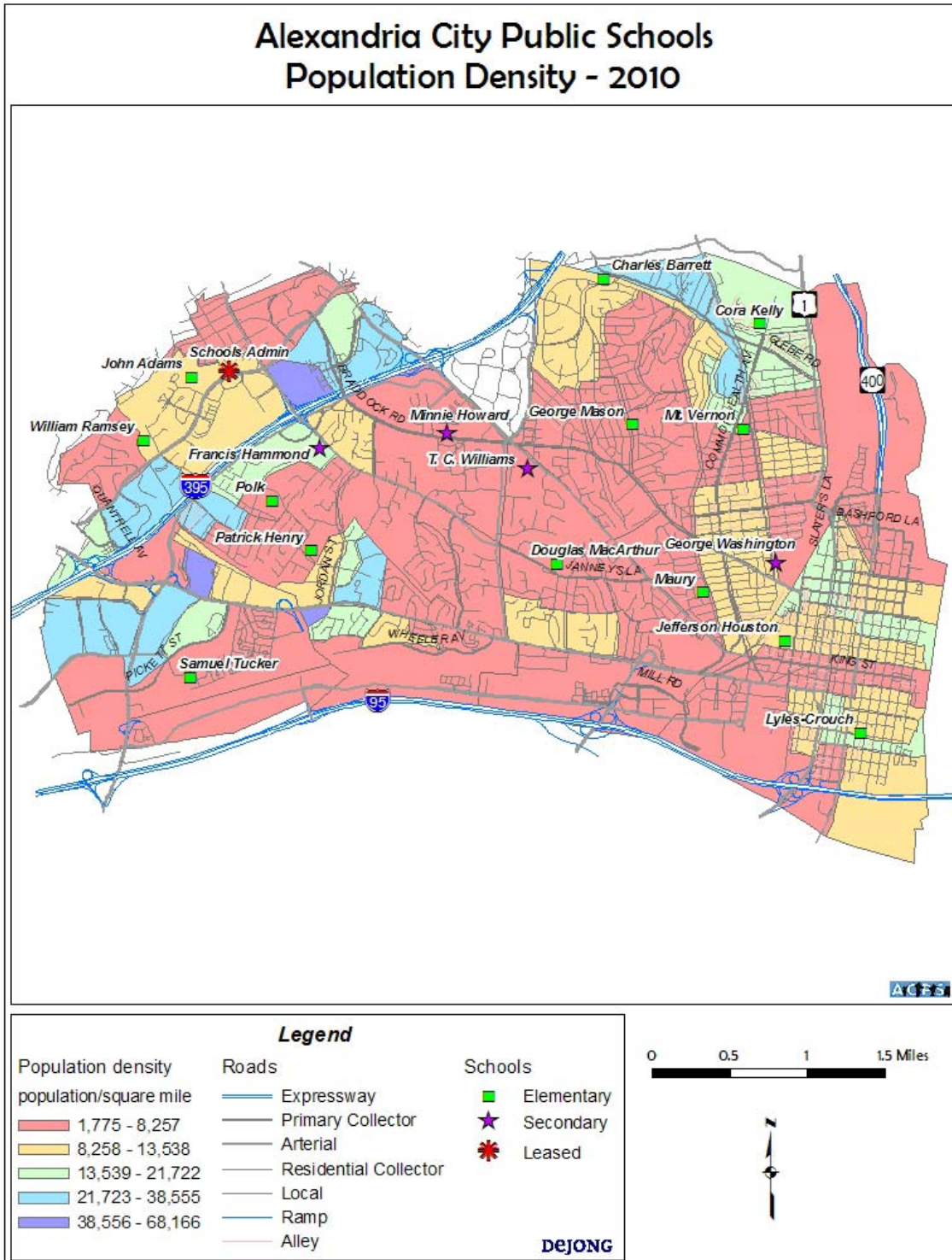
### Population Growth

This map depicts the population growth in Alexandria City from 2005-2010. Most of the city will experience less than 1.5% of growth in population with other areas having growth between 1.4%-14.0%.



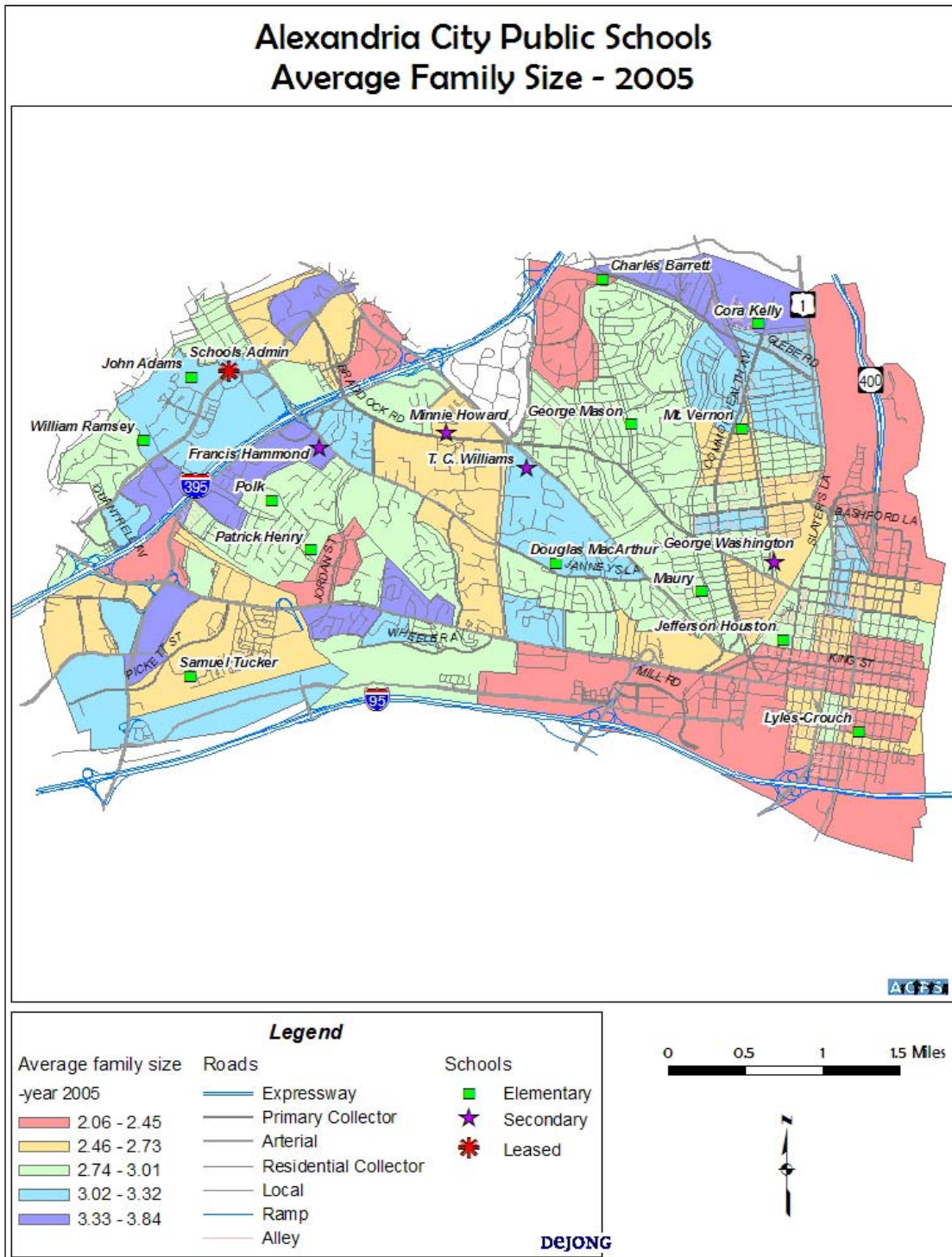
### Population Density

This map shows the population density by block group for the Alexandria City Public Schools in 2010. The majority of the ACPS falls in the least dense category of 1,775 – 8,257 people per square mile. The densest locations are distributed in the western portion of the ACPS.

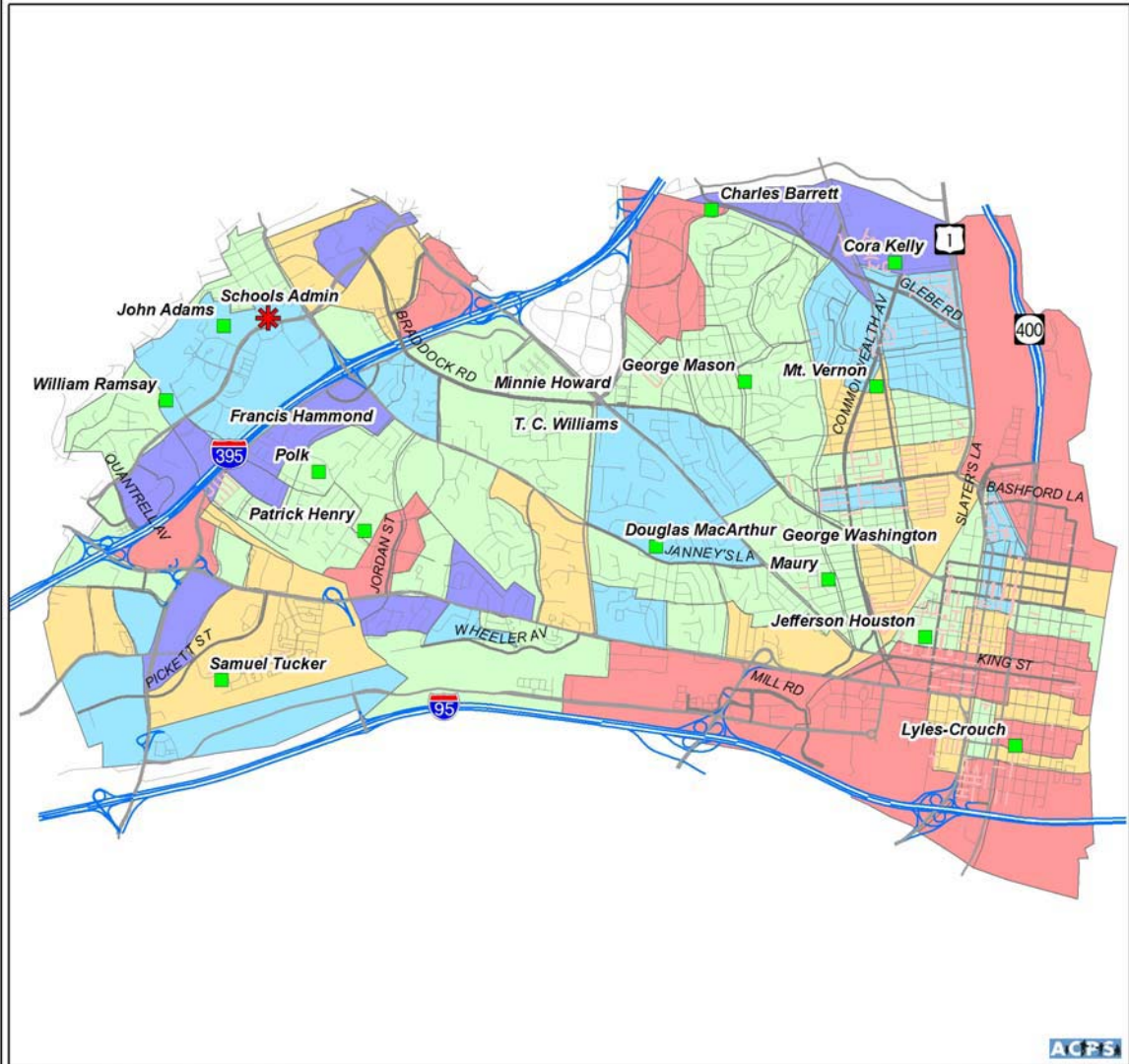


**Average Family Size**

The following map shows the average family size in the Alexandria City Public Schools for 2005. A map showing projected average family size in 2010 follows on the next page. An increase in average family size is projected to occur both to the east and west of T.C. Williams High School.



## Alexandria City Public Schools Average Family Size - 2010



Legend		
<b>Average family size</b>	<b>Roads</b>	<b>Schools</b>
-year 2010	Expressway	Elementary
2.11 - 2.47	Primary Collector	Secondary
2.48 - 2.72	Arterial	Leased
2.73 - 3.04	Residential Collector	
3.05 - 3.36	Local	
3.37 - 3.89	Ramp	
	Alley	

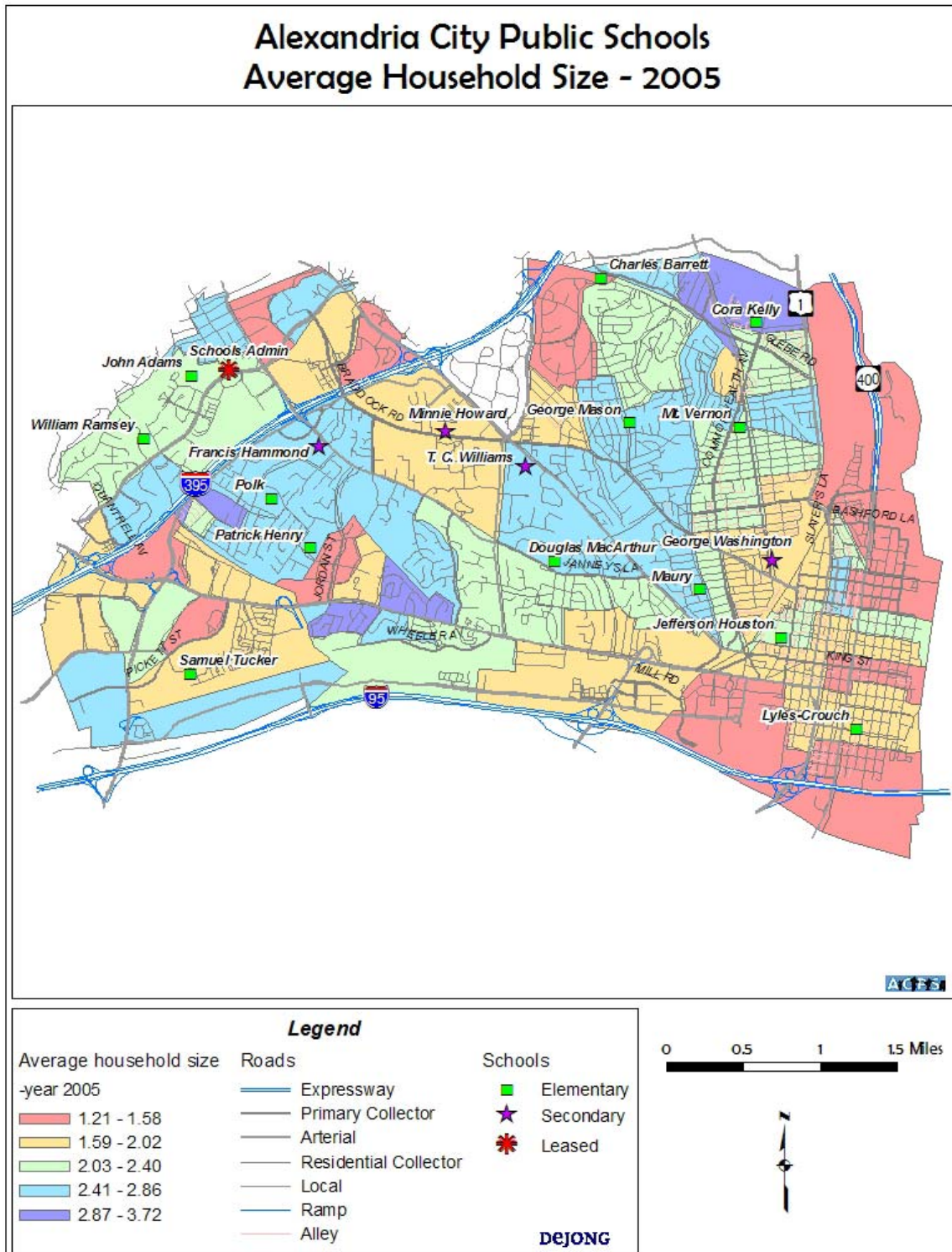
deJONG

0 0.5 1 1.5 Miles

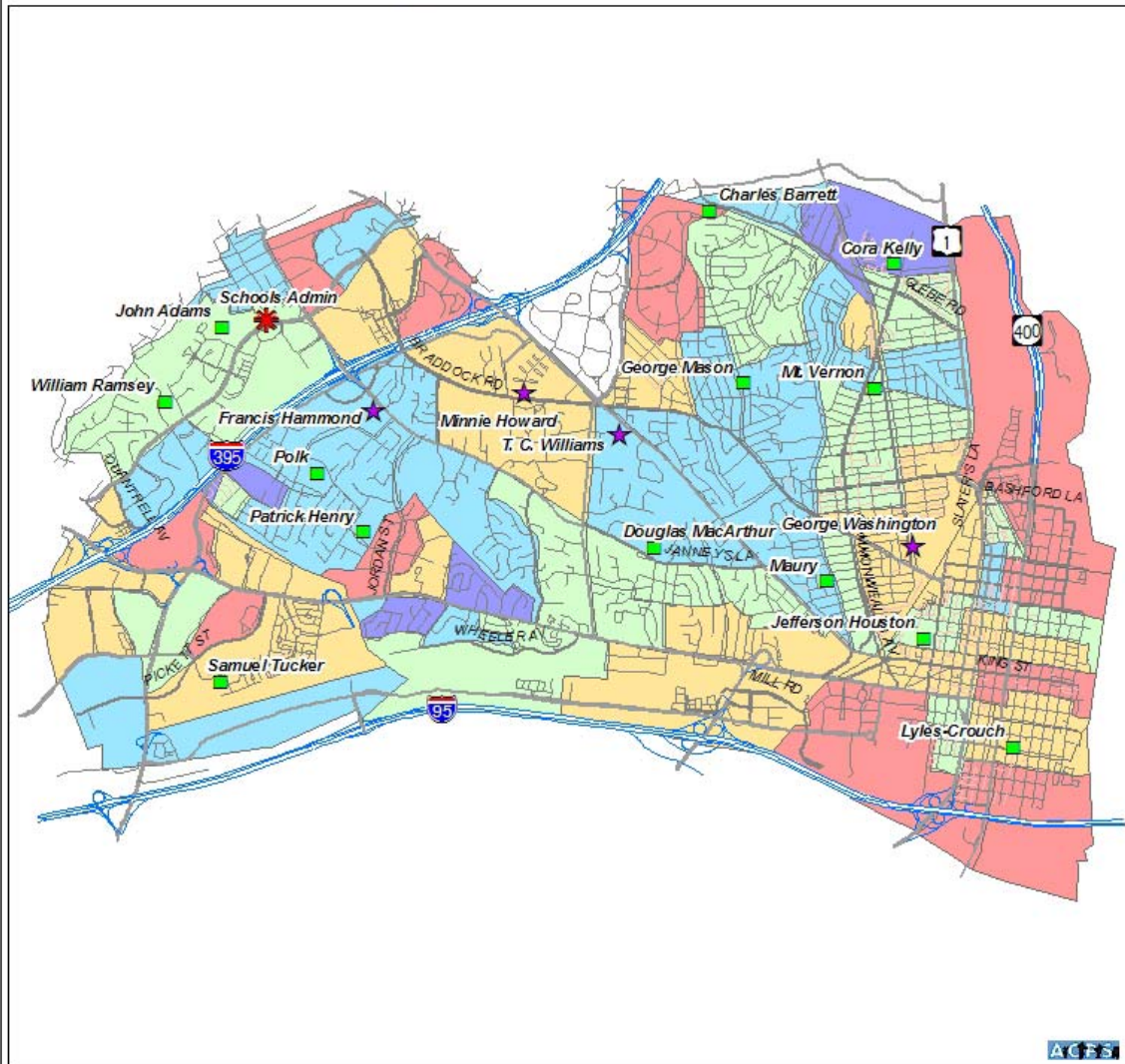


### Average Household Size

The following maps show the average household size in the Alexandria City Public Schools for 2005. A map showing projected average household size in 2010 follows on the next page. The average household size is projected to remain the same through 2010.



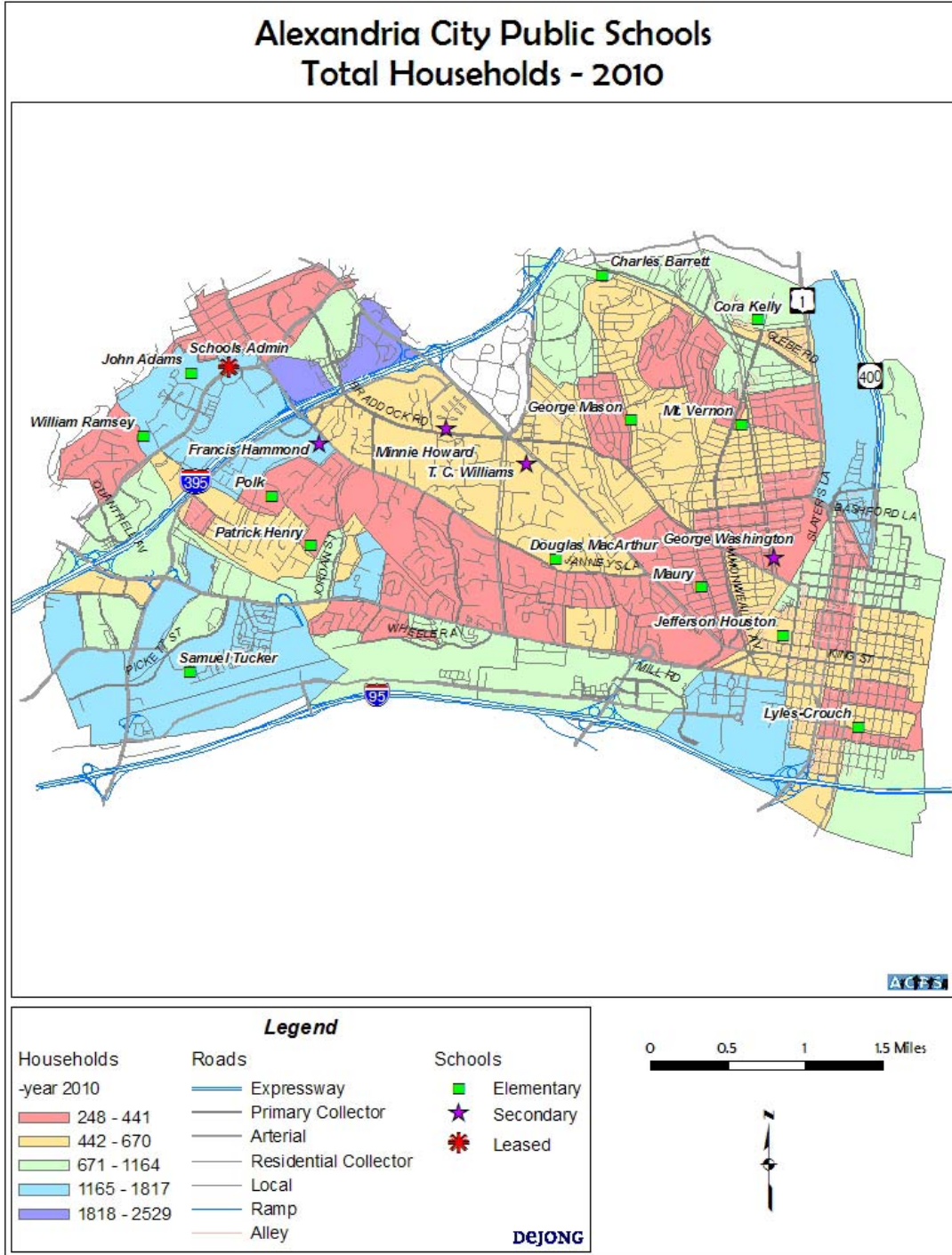
## Alexandria City Public Schools Average Household Size - 2010



<b>Legend</b>		
<p>Average household size -year 2010</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #f08080; border: 1px solid black; margin-right: 5px;"></span> 1.21 - 1.58</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #ffcc00; border: 1px solid black; margin-right: 5px;"></span> 1.59 - 2.01</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90ee90; border: 1px solid black; margin-right: 5px;"></span> 2.02 - 2.41</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #66b3ff; border: 1px solid black; margin-right: 5px;"></span> 2.42 - 2.86</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #6a5acd; border: 1px solid black; margin-right: 5px;"></span> 2.87 - 3.75</li> </ul>	<p>Roads</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid blue; margin-right: 5px;"></span> Expressway</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Primary Collector</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid gray; margin-right: 5px;"></span> Arterial</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dashed gray; margin-right: 5px;"></span> Residential Collector</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dotted gray; margin-right: 5px;"></span> Local</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dashed gray; margin-right: 5px;"></span> Ramp</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dotted gray; margin-right: 5px;"></span> Alley</li> </ul>	<p>Schools</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90ee90; border: 1px solid black; margin-right: 5px;"></span> Elementary</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #6a5acd; border: 1px solid black; margin-right: 5px;"></span> Secondary</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #f08080; border: 1px solid black; margin-right: 5px;"></span> Leased</li> </ul>
<p>0      0.5      1      1.5 Miles</p>		
<p><b>DEJONG</b></p>		

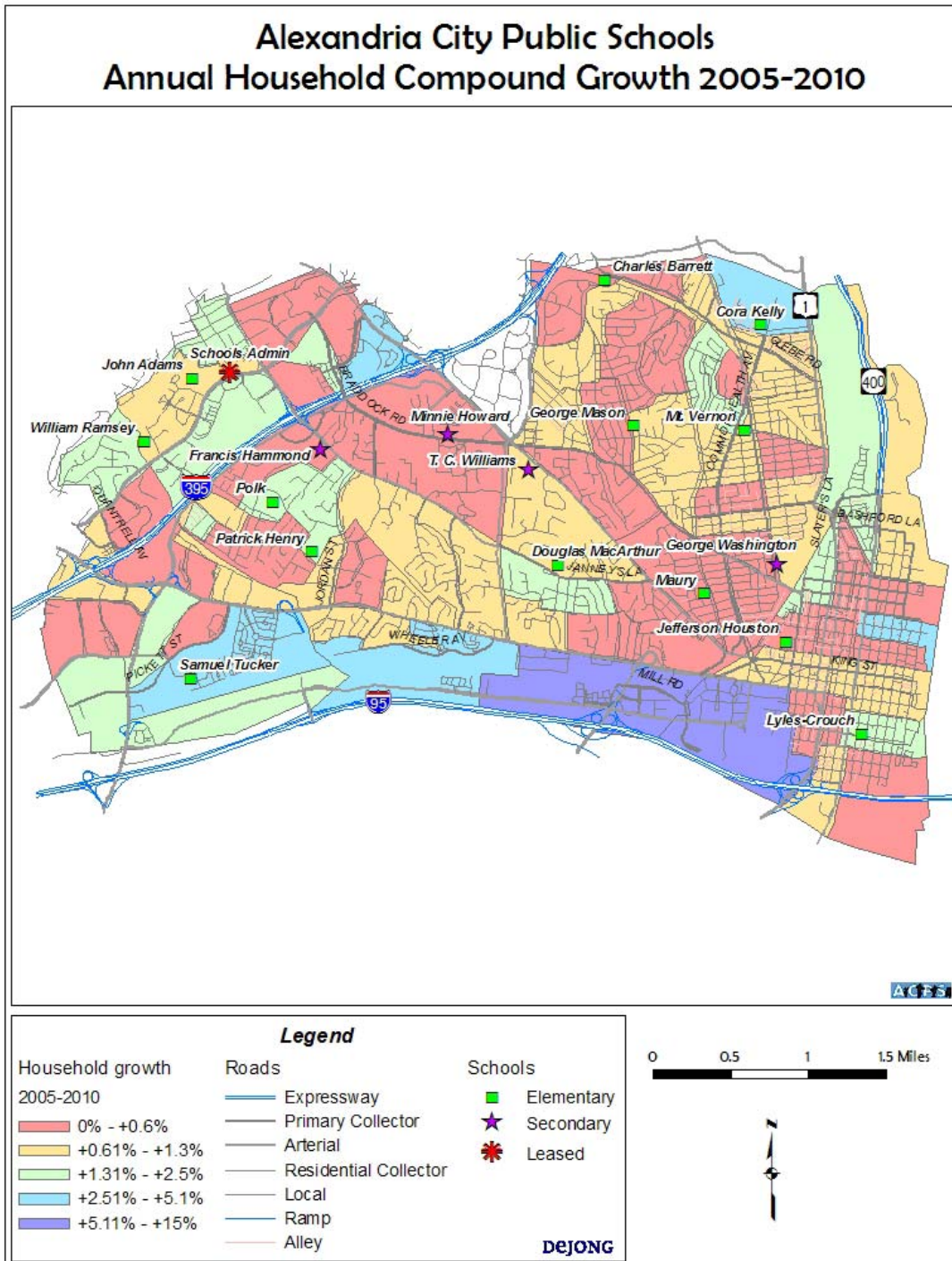
**Total Households**

The following map shows the projected total households by block group for the Alexandria City Public Schools in 2010.



### Annual Household Compound Growth

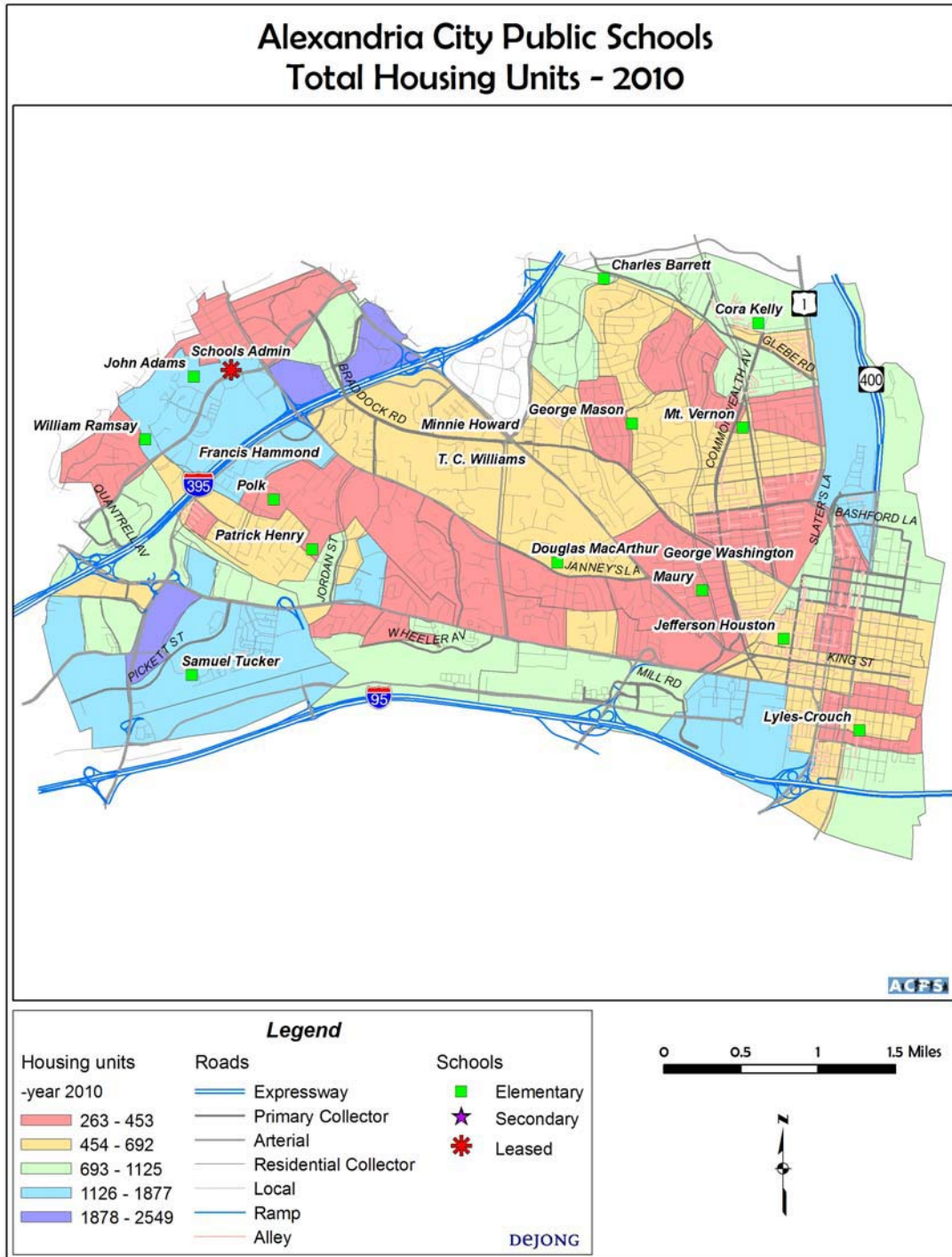
The following map shows the projected annual household compound growth by block group from 2005 to 2010 for the Alexandria City Public Schools. The highest growth is in the southeast portion of the ACPS, west of Lyles-Crouch and north of I-95.





### Total Housing Units

The following map shows the projected number of total housing units by block group for the Alexandria City Public Schools in 2010. The western and southern areas of the city are projected to have higher numbers of housing units.



### Total Housing Unit Growth

The following map shows the projected total housing unit growth from 2005 to 2010 by block group for the Alexandria City Schools. The areas projected to experience the highest growth are distributed throughout with more in the western and southern portions of the city.

