

2011 Lee County Commission Redistricting Report

July 28, 2011

Prepared by
Lee County Community Development
Planning Division



2011 Lee County Commission Redistricting

Introduction

The county commission redistricting process is mandated by Florida State Statutes, Chapter 124.01 (3), which stipulates that “The board of county commission shall from time to time, fix the boundaries [commission district boundaries] so as to keep them as nearly equal in proportion to population as possible...” The statutes provide for these changes to be made only in odd-numbered years.

This report presents five alternatives for the 2011 redistricting of the commissioner districts. The district boundaries were last updated in 2001 using the population figures obtained from the 2000 Census. In the same manner, the 2010 U.S. Census population information has been used to redraw the Lee County commissioner districts. The 2010 U.S. Census population figures show considerable population growth in certain areas of the county. This growth has not occurred evenly throughout each commission district causing an imbalance in population figures between districts. The alternatives presented here are just five possible ways in which the current district boundaries can be redrawn. Other redistricting proposals can be put forth or modifications can be made to any of the five alternatives. Each of the alternatives presented in this report meet or exceed the standards for redistricting that have been set forth by case law precedents for equal population.

Lee County Population Change

The U.S. Census Bureau population counts for the 2010 Census signify a 40.3 percent increase in the Lee County population since the 2000 Census. The increase in population did not, however, occur evenly across the county or across the five existing County Commission Districts. All 5 of the districts reported an increase in population. District 5, which includes Lehigh Acres, Gateway, and the area surrounding Florida Gulf Coast University, had the largest population increase (95.77%) while District 2 had the lowest (6.68%) increase between the two Census reports.

Before redrawing the new district boundaries, a comparison of the 2010 U.S. Census population was made to that of the 2000 U.S. Census population figures. The 2001 district boundaries were utilized for this comparison and the population distribution is presented in Table 1 below. The targets for district populations in 2000 and 2010 equal the total census population of that year divided by the number of districts.

Table 1

Commission District Population Figures, 2000 & 2010				
Commission District	2000 Population	Deviation from 2000 Target	2010 Population	% Deviation from 2010 Target
1	89,975	2.0%	111,416	-10.0%
2	88,713	0.6%	94,635	-23.5%
3	86,904	-1.4%	120,976	-2.2%
4	87,918	-0.3%	120,663	-2.5%
5	87,378	-0.9%	171,064	38.2%
Total	440,888		618,754	
2000 Target Commission District Population = 88,176 2010 Target Commission District Population = 123,751 (Target Population = Total County Population/5 Districts)				
Source: U.S. Census Bureau				

The Redistricting Process

The redistricting process involves redrawing the Lee County commissioner district boundary lines in such a manner that all five districts achieve a population close to the target population figure of 123,751 persons.¹ Additionally, a number of criteria are used as guidelines while redrawing the boundary lines to produce new commission districts. The equal population objective is statutorily mandated while the other criteria are drawn from case law precedents or common redistricting practices. Given the growth patterns since the last Census, each alternative addresses the need to allocate considerable population from district 5, which received 47% of the county population increase, to districts 1 and 2, which collectively received only 15% of the county population increase. Districts 3 and 4 grew the closest to the county average with both receiving nearly 20% of the county population increase. The attached maps depict 5 Alternative redistricting approaches created by staff.

Each of the five alternatives was devised to adhere to the following redistricting practices as closely as possible. As such, all of the alternatives can be considered to have:

- an equal population distribution,
- compact boundaries,
- alignment with Census geography,
- boundaries that follow prominent physical features,
- limited splitting of established neighborhoods,
- similar boundaries to existing districts,
- avoided packing and diluting minority population, and
- considered population growth for future population equity.

These criteria are discussed in greater detail in the following sections. Additionally, the Lee County School Board stated its desire to adopt the same alternative used by the County Commission Districts as the School Board Districts.

Equal Population Distribution – The primary goal of redistricting every 10 years in is to establish commission districts that are “as nearly equal in proportion to population as possible..” (F.S. 124.01 [3]). For state level redistricting, case law precedent generally requires that district populations do not vary by more than 2.5 percent of the target population - that is 2.5 percent more or less than the target population. This measure is calculated by taking the difference between the actual population of each district and the target population and dividing the difference by the target population. Therefore, the range for acceptable commission district populations is between 120,657 and 126,845. Table 2 shows that all five of the alternatives proposed by staff adhere to this criterion. It also shows that the current districts do not meet the equal population distribution criteria, and therefore must be amended.

Table 2

Population Distribution by Commission District – Relative Range						
Commission District		1	2	3	4	5
Current District Boundaries	Population	111,416	94,635	120,976	120,663	171,064
	% Deviation from Target	10.0%	-23.5%	-2.2%	-2.5%	38.2%
Alternative 1	Population	124,503	124,101	124,203	122,890	123,057
	% Deviation from Target	0.6%	0.3%	0.4%	-0.7%	-0.6%
Alternative 2	Population	123,266	123,772	123,933	124,079	123,704
	% Deviation from Target	-0.4%	0.0%	0.2%	0.3%	-0.0%
Alternative 3	Population	123,492	123,745	123,764	123,669	124,084
	% Deviation from Target	-0.2%	0.0%	0.0%	-0.1%	0.3%
Alternative 4	Population	124,058	123,807	124,052	123,526	123,311
	% Deviation from Target	0.3%	0.1%	0.2%	-0.2%	-0.4%
Alternative 5	Population	123,130	123,926	123,756	123,629	124,313
	% Deviation from Target	-0.5%	0.1%	0.0%	-0.1%	0.5%

Source: U.S. Census Bureau

¹ Target Population (123,751) = Total county population(618,754)/number of districts (5)

Several other methods exist for measuring equal population. In addition to the relative range figure, a simple calculation of the overall range can also be used. This figure is calculated by subtracting the district with the smallest population from the district with the largest population. The results of these calculations are shown in table 3. Using the 2.5% variation criteria, the greatest acceptable overall range between the high and low population is 6,188. However, neither the high nor the low commission district population should vary more than 3,094 persons from the target population. While alternative 3 does have the smallest population difference between districts, all of the alternatives are within an acceptable range.

Table 3

Population Distribution by Commission District – Overall Range			
	High	Low	Difference
Current District Boundaries	171,064	94,635	76,429
Alternative 1	124,503	122,890	1,613
Alternative 2	124,079	123,266	813
Alternative 3	124,084	123,492	592
Alternative 4	124,058	123,311	747
Alternative 5	124,313	123,130	1,183

Source: U.S. Census Bureau

Another measure that is used in redistricting is known as the *percent relative mean deviation*. This measure is calculated by adding up the absolute deviations of each district (how far off each district is from the target population) and dividing that number by the number of districts, in this case five. This value is then divided by the target population figure. The *percent relative mean deviation* is a more stable form of measurement because in the case of range calculations, a large value can be obtained because of substantial deviations between just two districts, thus providing a deceptive notion of the results at first glance. Table 4 contains the deviation of each commission district population from the target population for each alternative. The percent relative mean of each the alternatives are within the accepted standards.

Table 4

Population Distribution by Commission District - Percent Relative Mean						
	District 1	District 2	District 3	District 4	District 5	Percent Relative Mean
Current Districts	12,335	29,116	2,775	3,088	47,313	15.29%
Alternative 1	752	350	452	861	694	0.38%
Alternative 2	485	47	21	182	328	0.17%
Alternative 3	259	6	13	82	333	0.11%
Alternative 4	307	56	301	440	225	0.21%
Alternative 5	621	175	5	122	562	0.24%

2010 Target Commission District Population = 123,751 (Target Population = Total County Population/5 Districts)
Source: U.S. Census Bureau

Compactness – A compact district minimizes the perimeter of the district relative to the size of the district. Compactness is an important criterion since absence of this factor, or districts with meandering or serpentine boundaries, may be interpreted as a gerrymandered redistricting solution and thus may be subject to legal challenge.

Compact districts limit the potential for gerrymandering, whether for political advantage, racial and ethnic considerations or to achieve other objectives. Political factors are not considered in this redistricting effort; all alternatives are developed without regard to political party affiliation, or the location or concentration of any political group.

An analytical measure of compactness is used in this report to describe each district's compactness in each alternative. The most common measure of the “compactness”² of the polygon representing the district compares the enclosed area of the shape to the area that would be enclosed by a circle with the same perimeter (circumference). A circle is used for this calculation since it is the most compact geometric shape possible. The results of this test would be a number greater than 0 and less than 1. A compactness figure of 1 would be the result of a district that was a circle. There are no established standards of compactness, but the figures are useful in evaluating compactness of the various districts between the alternatives. The measure of compactness for the five alternatives and the existing districts are shown in Table 5.

Table 5

Measure of Compactness					
	District 1	District 2	District 3	District 4	District 5
Current Districts	.56	.55	.33	.53	.60
Alternative 1	.45	.52	.46	.57	.47
Alternative 2	.45	.46	.55	.59	.36
Alternative 3	.45	.49	.29	.40	.38
Alternative 4	.55	.34	.32	.33	.49
Alternative 5	.55	.35	.33	.34	.55

Source: Lee County Planning/GIS shapefile

Alignment of District Boundaries with Census Geography – In order to accurately record the population in each district, it is important that the district boundaries follow Census geography. Without this, it would be much more difficult to determine the population distribution or use any of the census information in analyzing each district. Census geography serves as important spatial units for statistical purposes, as well as a separator of prominent physical features. All of the Commission District alternatives follow Census geography at the Census Block level to create districts with as equal a distribution of population as feasible.

Alignment with Prominent Physical Features – In dividing the districts, prominent features such as the Caloosahatchee River, Interstate 75, US 41, and other major roads were used. This criterion serves multiple purposes. First, aligning commission district boundaries along major physical features reinforces the criterion of retaining established neighborhoods since, as noted, these areas are often delineated using prominent features. Second, this criterion allows commission districts to be more easily described and conceptualized. Finally, prominent features are frequently used by the Census Bureau and the Supervisor of Elections in designating census tract lines and voting precinct lines and in drawing other statistical boundary areas.

When possible, each of the five alternative's district boundaries mirrors prominent physical features. District boundaries do deviate from these features in each of the alternatives in order to adhere to other redistricting practices, primarily equal population and following Census tract lines. In each alternative, as in the past, there are districts that span the Caloosahatchee River to equalize the population within the

² The compactness (C) of a given polygon can be calculated as 4π times the area (a) divided by the perimeter (p) squared ($C = 4\pi a/p^2$)

commission districts. Currently, over 62% of the residents of Lee County live “south” of the river while approximately 34% live “north” of the river and the remaining 4% live on the islands.

Retention of Established Neighborhoods and Communities – Whenever possible, the redrawing of the commissioner boundaries was done so that established communities and neighborhoods were kept intact and not split between districts. This helps to ensure that communities with a common set of issues or needs are able to unite under single district leadership. The City of Fort Myers is currently split between districts 2 and 5. Two of the alternatives include Fort Myers within a single district. The City of Cape Coral has a total population larger than the target district population it must be split into multiple districts in all 5 of the proposed alternatives. Three of the alternatives keep the City of Bonita Springs within a single district and two alternatives split the city between districts 3 and 5. All of the alternatives keep the City of Sanibel and the Town of Fort Myers Beach within a single district.

Retaining Existing District Boundary Lines – In each of the five alternatives, the redistricting was done so that each Commissioner resided in their assigned district. This was an important criterion because it facilitates better communication and understanding of what is going on in each commissioner’s own district. Because drastic changes in district boundaries can lead to disruption of representative government and the orderly and expeditious provision of governmental services, it was important to align the new district boundaries so they would be closely related to the old boundaries. Alternatives 1 and 2 most closely match the existing district boundaries. Alternative 3 deviates most from the existing district boundaries. The attached maps include a dashed line representing the existing commission districts. Furthermore, each alternative was drawn to include the school board member currently residing in each district.

Long Term Population Equity – This criterion is identified in an attempt to avoid the substantial inequities in district populations that may arise in coming years. An attempt was made to include areas targeted for future development within all districts in each alternative. This criterion must however be balanced against the statutory requirement of equal population, a requirement that essentially provides a “snapshot” view of the current population distribution and the measure of compactness.

Avoidance of Minority “Dilution” or “Packing” - This criterion is of great importance in the redrawing of district boundary lines. The concerns surrounding this issue have received a great deal of legal scrutiny, especially when the issues are related to the provisions of the 1965 Voting Rights Act and the subsequent amendments.

Minority dilution means the intentional redrawing of lines so that minority populations are divided into two or more districts, thereby diluting minority-voting strength. Minority packing on the other hand entails the redrawing of district boundary lines to include a greater number of minorities into what are already “safe” minority districts, thus effectively relegating minority representation to a limited number of districts. As defined by case law precedent, a “safe” minority district is one in which a minority group that is “geographically compact” and “politically cohesive” constitutes 60 to 65 percent of the total population of that district. In this instance, a minority group may be composed of more than one racial or ethnic minority, provided they meet the cohesive and compactness tests noted earlier.

Lee County has a relatively low minority population. Of the 618,754 total population count in the 2010 Census count, 105,258 are listed as minority (non-white). Of the 113,308 persons of Hispanic or Latino origin, 74,448 are listed as white. Adding the white Hispanic population to the minority population yields a minority/ethnic population of 179,706 persons in Lee County. This represents 29.04 percent of the total county population. Table 6 shows the distribution of the minority and Hispanic/Latino population in each of the alternatives and the current commission districts. In all of these instances, district 2 contains the highest concentration of non-white and/or Hispanic population. Given the compactness of the districts, it is clear that neither "packing" nor "dilution" of this population segment has occurred in any of the alternatives.

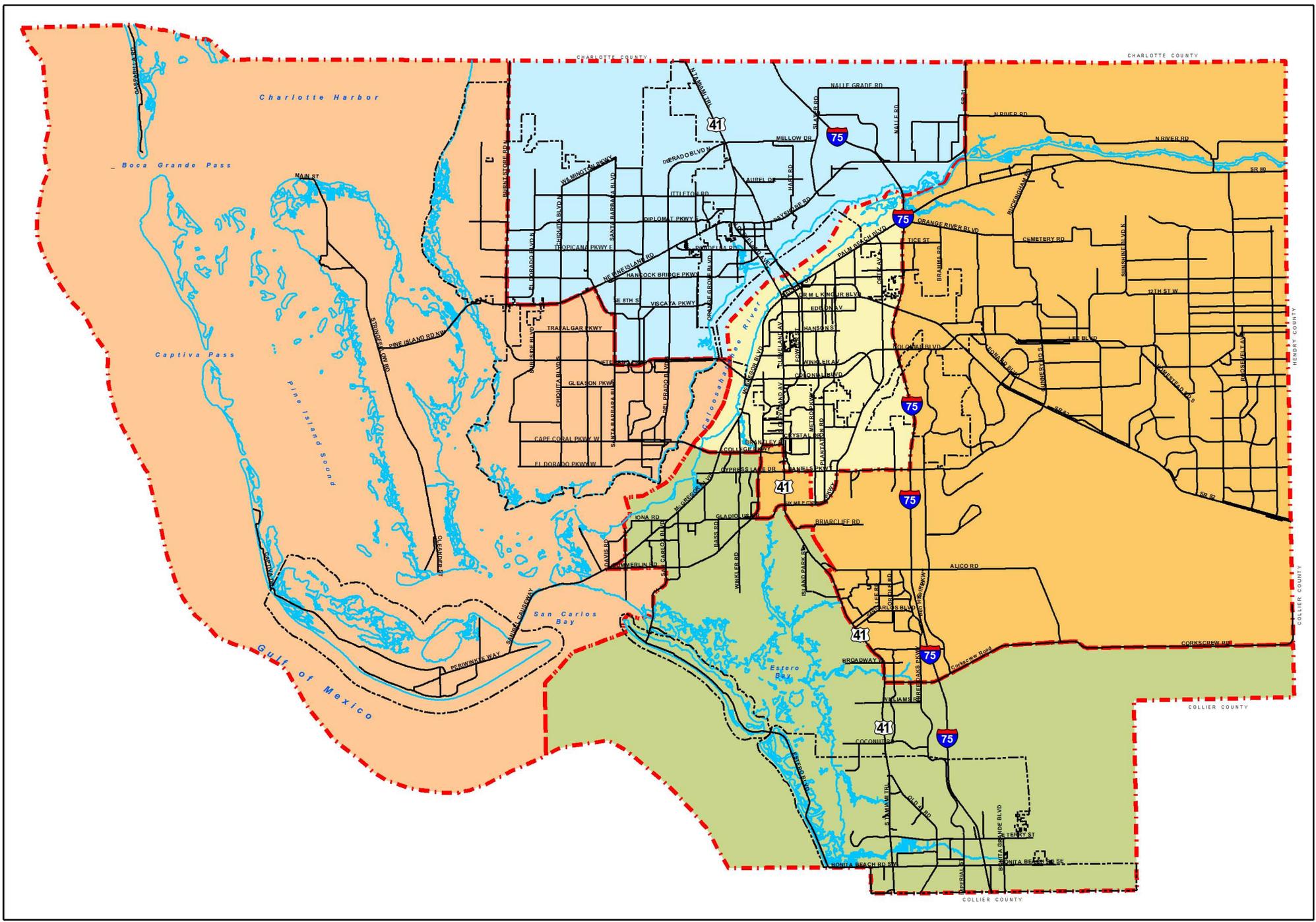
Table 6

Minority (non-white) and Hispanic Population by Commission District							
		District 1	District 2	District 3	District 4	District 5	County Total
Current Commission Districts	Minority Population	8,089	35,641	10,148	14,054	37,326	105,258
	Percent Minority	7.26%	37.66%	8.39%	11.65%	21.82%	17.01%
	Hispanic or Latino	13,667	21,165	16,449	20,837	41,190	113,308
	Hispanic or Latino/White	10,575	10,403	10,405	14,924	28,141	74,448
	Percent Minority or Ethnic	16.75%	48.65%	16.99%	24.02%	38.27%	29.04%
Alternative 1	Minority Population	9,891	38,226	11,100	13,909	32,123	105,258
	Percent Minority	7.94%	30.80%	8.94%	11.32%	26.11%	17.01%
	Hispanic or Latino	15,785	23,597	18,071	20,681	35,174	113,308
	Hispanic or Latino/White	11,368	12,281	11,613	15,537	23,947	74,448
	Percent Minority or Ethnic	17.07%	40.70%	18.29%	23.46%	45.57%	29.04%
Alternative 2	Minority Population	9,671	39,255	10,786	14,335	31,211	105,258
	Percent Minority	7.85%	31.71%	8.70%	11.55%	25.23%	17.01%
	Hispanic or Latino	15,251	25,329	17,674	21,507	33,547	113,308
	Hispanic or Latino/White	11,368	13,279	11,272	15,537	22,992	74,448
	Percent Minority or Ethnic	17.07%	42.44%	17.80%	24.08%	43.82%	29.04%
Alternative 3	Minority Population	12,472	26,090	9,027	27,053	30,616	105,258
	Percent Minority	10.10%	21.08%	7.29%	21.88%	24.67%	17.01%
	Hispanic or Latino	21,736	16,583	15,030	25,726	34,233	113,308
	Hispanic or Latino/White	16,774	10,152	9,651	14,677	23,194	74,448
	Percent Minority or Ethnic	23.68%	29.29%	15.09%	33.74%	43.37%	29.04%
Alternative 4	Minority Population	12,572	15,228	9,805	35,341	32,312	105,258
	Percent Minority	10.13%	12.30%	7.90%	28.66%	26.16%	17.01%
	Hispanic or Latino	21,745	17,602	15,901	23,783	34,277	113,308
	Hispanic or Latino/White	16,736	11,656	9,996	12,590	23,470	74,448
	Percent Minority or Ethnic	23.62%	21.71%	15.96%	38.87%	45.16%	29.04%
Alternative 5	Minority Population	12,461	15,219	9,795	35,148	32,635	105,258
	Percent Minority	10.12%	12.28%	7.91%	28.43%	26.25%	17.01%
	Hispanic or Latino	21,570	17,617	15,882	23,522	34,717	113,308
	Hispanic or Latino/White	16,592	11,666	9,982	12,628	23,580	74,448
	Percent Minority and/or Hispanic	23.60%	21.69%	15.98%	38.64%	45.22%	29.04%

Source: U.S. Census Bureau

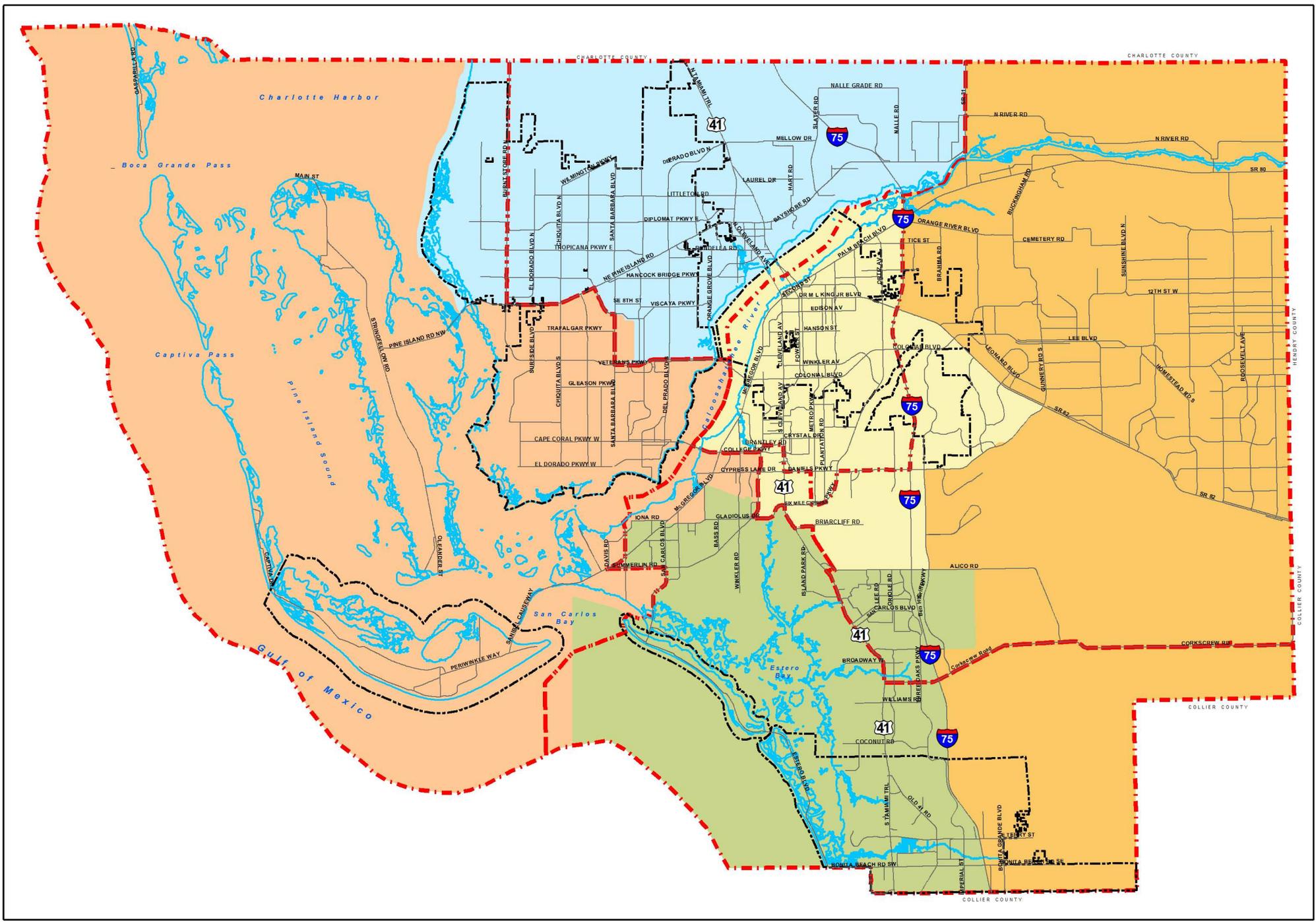
Summary

In summary, Planning Staff believes that all of the alternatives presented meet or exceed all of the statutory and case law precedents or common redistricting practices. Staff recommends Alternative 1 as best meeting the established redistricting criteria. However, any of the alternatives meet these criteria and may be selected as presented or with minor modifications. Significant changes to the alternatives may require additional staff evaluation for compliance with the statutes and case law precedents.



- District 1
 - District 2
 - District 3
- District 4
 - District 5
 - Existing Districts
 - City Limits

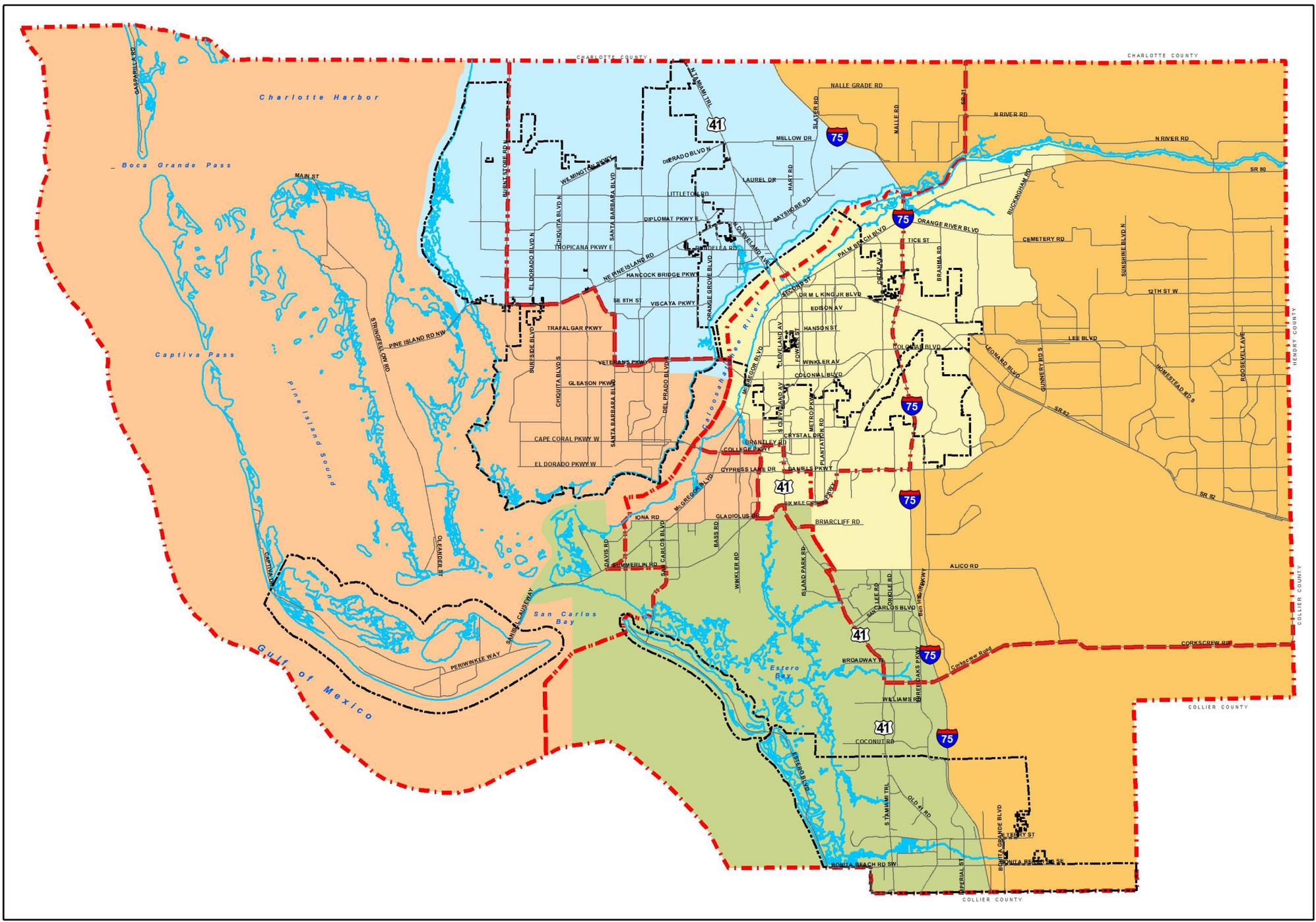
Existing Lee County Commission Districts



-  District 1
-  District 4
-  City Limits
-  District 2
-  District 5
-  District 3
-  Existing Districts

Proposed Lee County Commission Districts

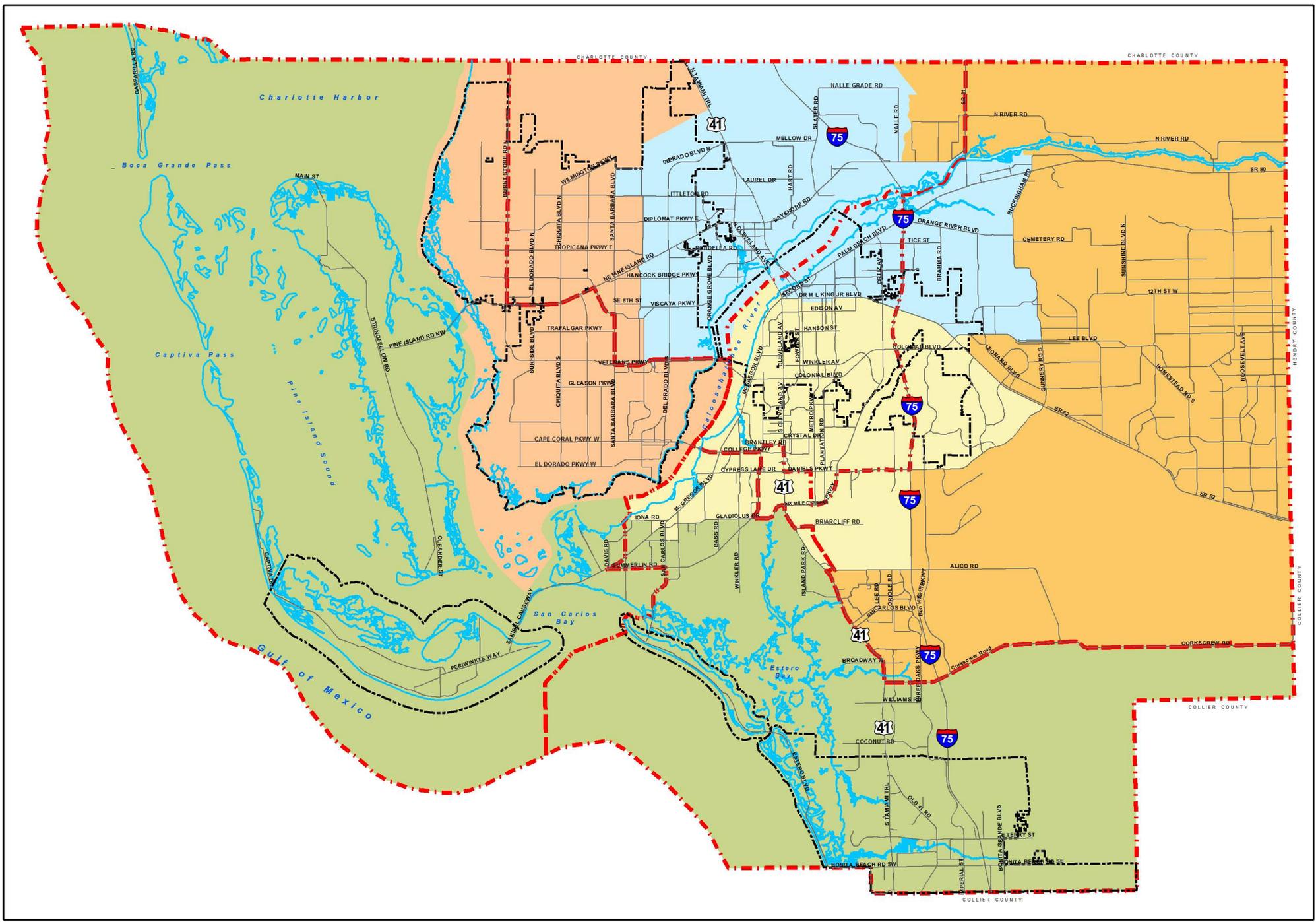
Alternative 1



- District 1
 - District 2
 - District 3
- District 4
 - District 5
 - Existing Districts
- City Limits

Proposed Lee County Commission Districts

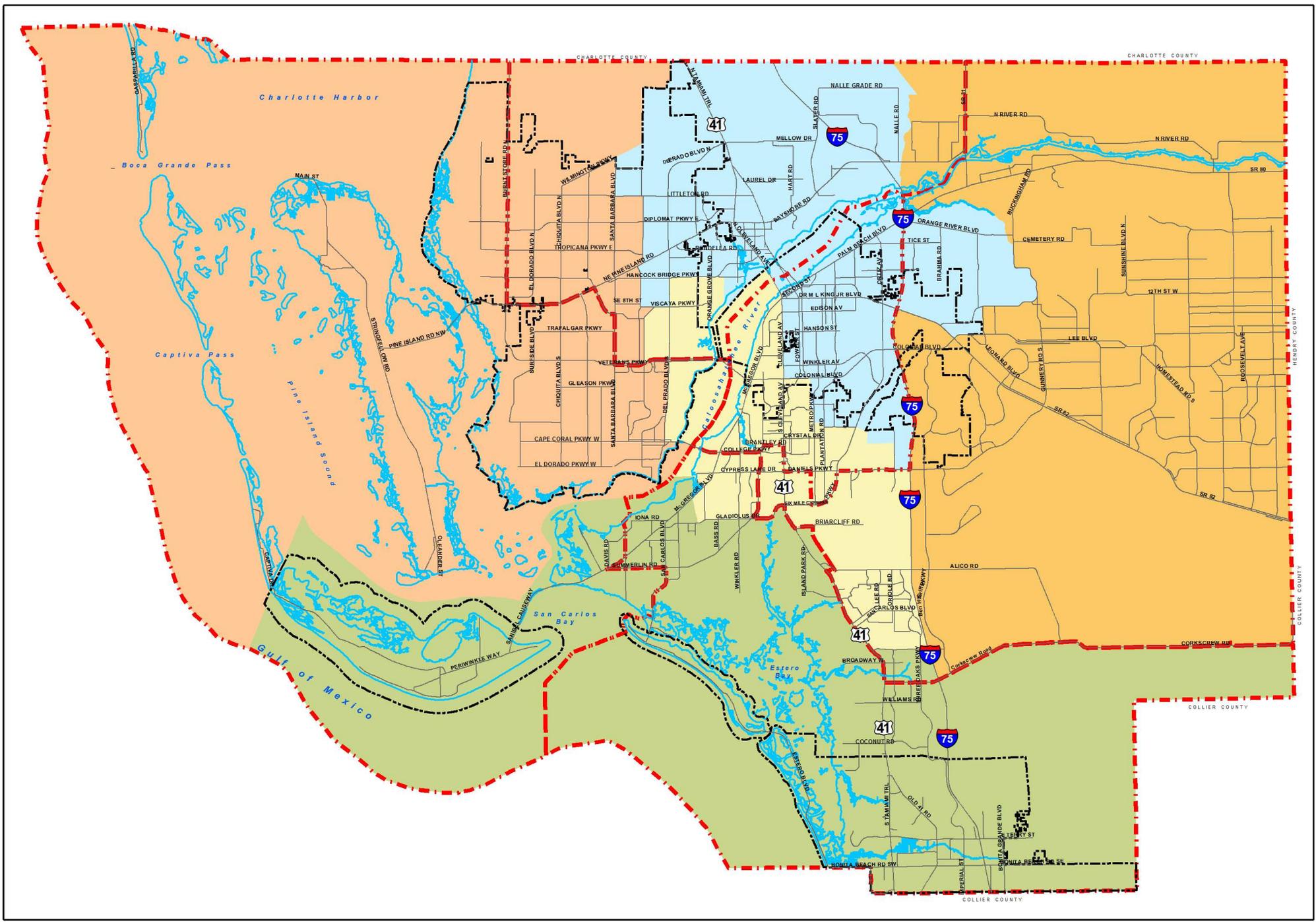
Alternative 2



- District 1
- District 2
- District 3
- District 4
- District 5
- Existing Districts
- City Limits

Proposed Lee County Commission Districts

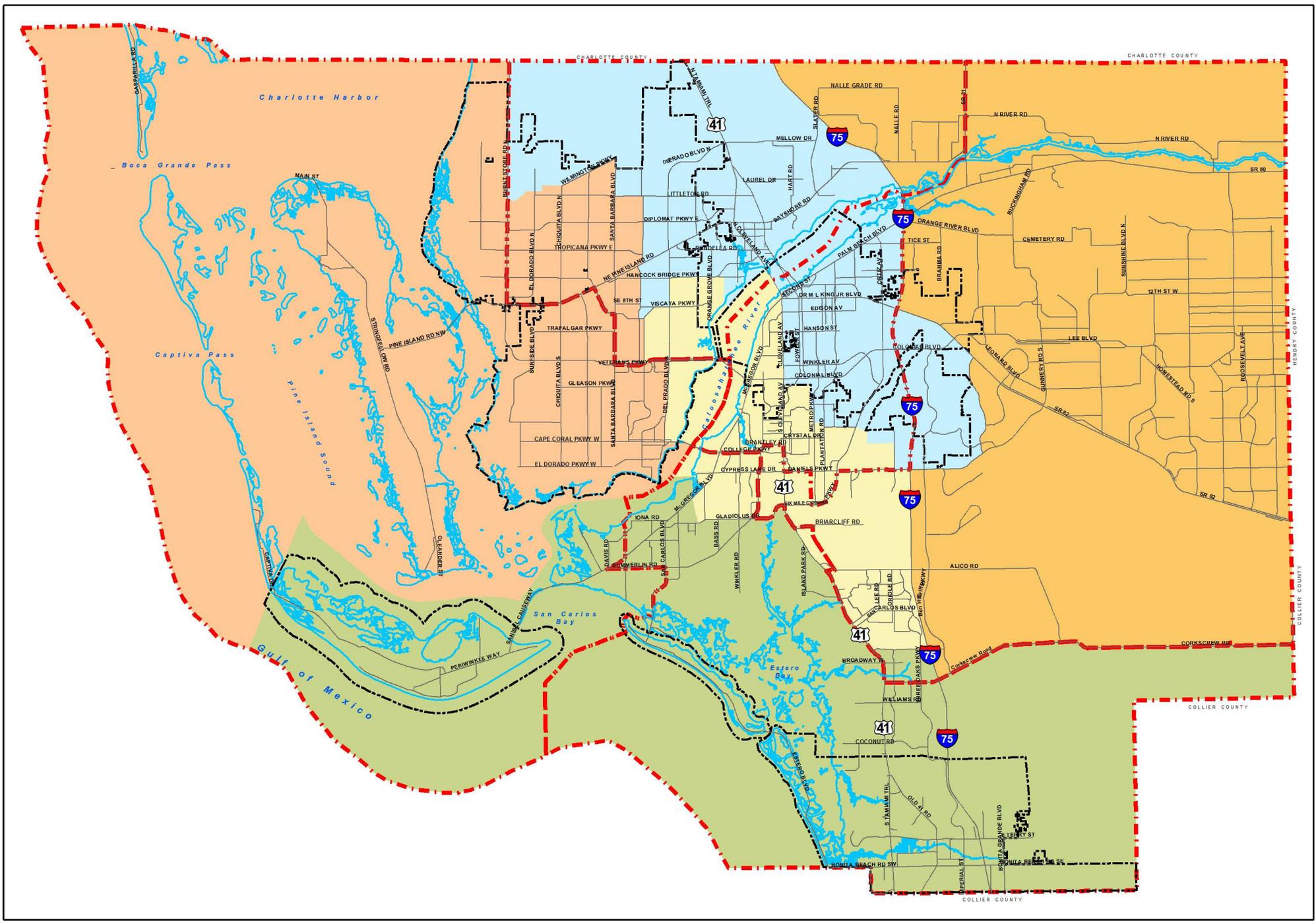
Alternative 3



- District 1
- District 2
- District 3
- District 4
- District 5
- Existing Districts
- City Limits

Proposed Lee County Commission Districts

Alternative 4



-  District 1
-  District 4
-  City Limits
-  District 2
-  District 5
-  District 3
-  Existing Districts

Proposed Lee County Commission Districts

Alternative 5

DIVISION OF PLANNING



LEE COUNTY

MEMORANDUM

S O U T H W E S T F L O R I D A

to: Board of County Commissioners
from: Rick Burris, Principal Planner
date: September 12, 2011
subject: **2011 Lee County Commission Redistricting**

In preparation for tonight's public hearing on redistricting Lee County Commission Districts:

The attached supplement is an update to the 2011 Lee County Redistricting Report dated July 28, 2011. This supplement includes revised tables and maps to include a sixth alternative for the redistricting of Lee County. This alternative is based on input from the Management and Planning Meeting on August 8, 2011 and public comment from area residents.

*cc: Karen Hawes, County Manager
Holly Schwartz, Assistant County Manager
Mary Gibbs, DCD/Director
Paul O'Connor, Planning Director
Michael Hunt, County Attorney
Donna Marie Collins, Assistant County Attorney
Planning File*

2001 Lee County Commission Redistricting

Revised Tables

The tables below have been revised to include data for a fifth alternative which was developed based on suggested changes made by the Board of County Commissioners and public comments received by the Planning Department.

Table 1

Commission District Population Figures, 2000 & 2010				
Commission District	2000 Population	Deviation from 2000 Target	2010 Population	% Deviation from 2010 Target
1	89,975	2.0%	111,416	-10.0%
2	88,713	0.6%	94,635	-23.5%
3	86,904	-1.4%	120,976	-2.2%
4	87,918	-0.3%	120,663	-2.5%
5	87,378	-0.9%	171,064	38.2%
Total	440,888		618,754	
2000 Target Commission District Population = 88,176				
2010 Target Commission District Population = 123,751				
(Target Population = Total County Population/5 Districts)				
Source: U.S. Census Bureau				

Table 2

Population Distribution by Commission District – Relative Range						
Commission District		1	2	3	4	5
Current District Boundaries	Population	111,416	94,635	120,976	120,663	171,064
	% Deviation from Target	10.0%	-23.5%	-2.2%	-2.5%	38.2%
Alternative 1	Population	124,503	124,101	124,203	122,890	123,057
	% Deviation from Target	0.6%	0.3%	0.4%	-0.7%	-0.6%
Alternative 2	Population	123,266	123,772	123,933	124,079	123,704
	% Deviation from Target	-0.4%	0.0%	0.2%	0.3%	-0.0%
Alternative 3	Population	123,492	123,745	123,764	123,669	124,084
	% Deviation from Target	-0.2%	0.0%	0.0%	-0.1%	0.3%
Alternative 4	Population	124,058	123,807	124,052	123,526	123,311
	% Deviation from Target	0.3%	0.1%	0.2%	-0.2%	-0.4%
Alternative 5	Population	123,130	123,926	123,756	123,629	124,313
	% Deviation from Target	-0.5%	0.1%	0.0%	-0.1%	0.5%
Alternative 6	Population	124,294	123,445	124,284	123,210	123,521
	% Deviation from Target	.4%	-.3%	.4%	-.4	-.2%
Source: U.S. Census Bureau						

Table 3

Population Distribution by Commission District – Overall Range			
	High	Low	Difference
Current District Boundaries	171,064	94,635	76,429
Alternative 1	124,503	122,890	1,613
Alternative 2	124,079	123,266	813
Alternative 3	124,084	123,492	592
Alternative 4	124,058	123,311	747
Alternative 5	124,313	123,130	1,183
Alternative 6	124,294	123,210	1,084

Source: U.S. Census Bureau

Table 4

Population Distribution by Commission District - Percent Relative Mean						
	District 1	District 2	District 3	District 4	District 5	Percent Relative Mean
Current Districts	12,335	29,116	2,775	3,088	47,313	15.29%
Alternative 1	752	350	452	861	694	0.38%
Alternative 2	485	47	21	182	328	0.17%
Alternative 3	259	6	13	82	333	0.11%
Alternative 4	307	56	301	440	225	0.21%
Alternative 5	621	175	5	122	562	0.24%
Alternative 6	543	306	533	541	230	0.35%

2010 Target Commission District Population = 123,751 (Target Population = Total County Population/5 Districts)
Source: U.S. Census Bureau

Table 5

Measure of Compactness					
	District 1	District 2	District 3	District 4	District 5
Current Districts	.56	.55	.33	.53	.60
Alternative 1	.45	.52	.46	.57	.47
Alternative 2	.45	.46	.55	.59	.36
Alternative 3	.45	.49	.29	.40	.38
Alternative 4	.55	.34	.32	.33	.49
Alternative 5	.55	.35	.33	.34	.55
Alternative 6	.73	.62	.62	.72	.75

Source: Lee County Planning/GIS shapefile

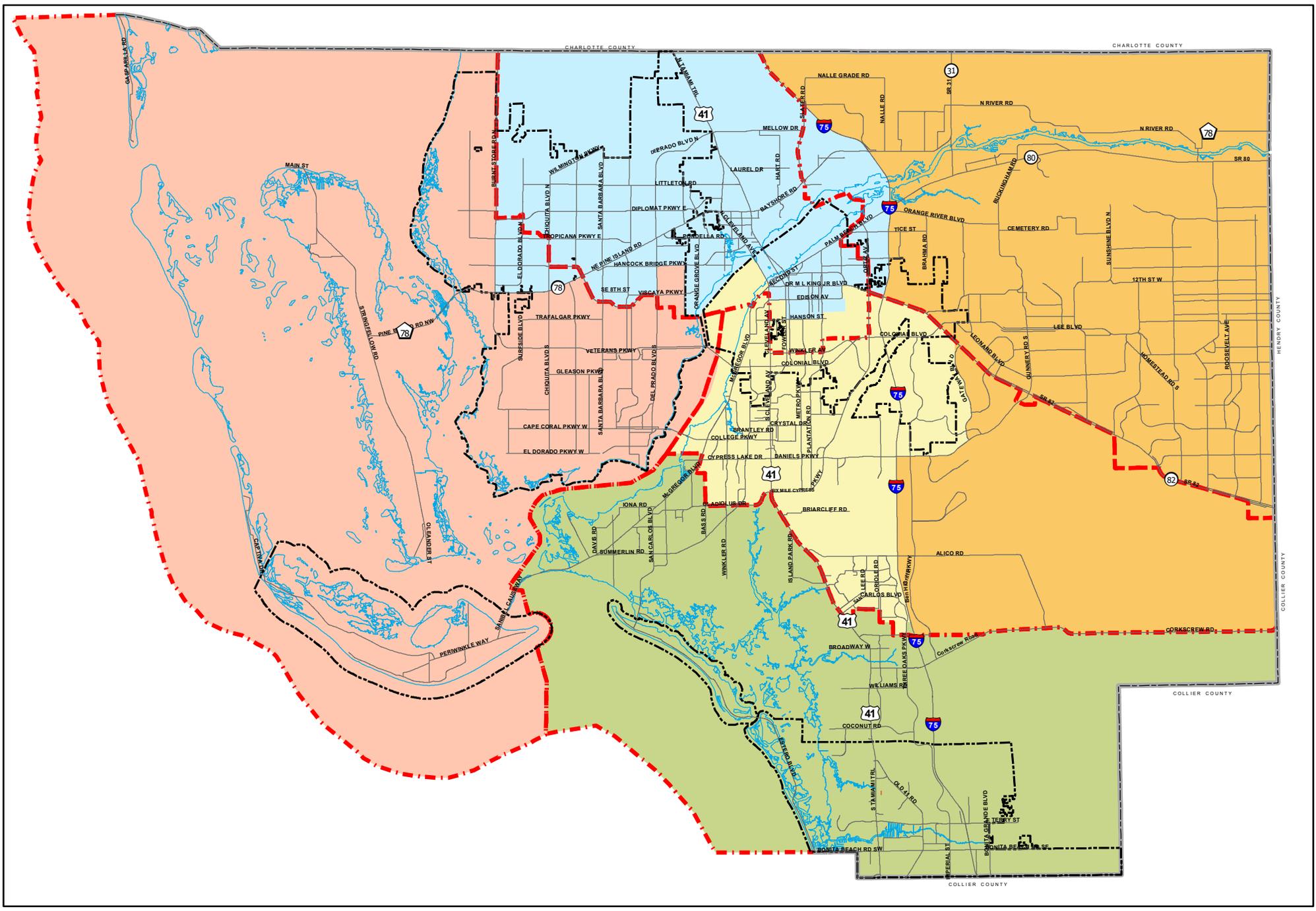
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Current Commission Districts	Minority Population	8,089	35,641	10,148	14,054	37,326	105,258
	Percent Minority	7.26%	37.66%	8.39%	11.65%	21.82%	17.01%
	Hispanic or Latino	13,667	21,165	16,449	20,837	41,190	113,308
	Hispanic or Latino/White	10,575	10,403	10,405	14,924	28,141	74,448
	Percent Minority or Ethnic	16.75%	48.65%	16.99%	24.02%	38.27%	29.04%
Alternative 1	Minority Population	9,891	38,226	11,100	13,909	32,123	105,258
	Percent Minority	7.94%	30.80%	8.94%	11.32%	26.11%	17.01%
	Hispanic or Latino	15,785	23,597	18,071	20,681	35,174	113,308
	Hispanic or Latino/White	11,368	12,281	11,613	15,537	23,947	74,448
	Percent Minority or Ethnic	17.07%	40.70%	18.29%	23.46%	45.57%	29.04%
Alternative 2	Minority Population	9,671	39,255	10,786	14,335	31,211	105,258
	Percent Minority	7.85%	31.71%	8.70%	11.55%	25.23%	17.01%
	Hispanic or Latino	15,251	25,329	17,674	21,507	33,547	113,308
	Hispanic or Latino/White	11,368	13,279	11,272	15,537	22,992	74,448
	Percent Minority or Ethnic	17.07%	42.44%	17.80%	24.08%	43.82%	29.04%
Alternative 3	Minority Population	12,472	26,090	9,027	27,053	30,616	105,258
	Percent Minority	10.10%	21.08%	7.29%	21.88%	24.67%	17.01%
	Hispanic or Latino	21,736	16,583	15,030	25,726	34,233	113,308
	Hispanic or Latino/White	16,774	10,152	9,651	14,677	23,194	74,448
	Percent Minority or Ethnic	23.68%	29.29%	15.09%	33.74%	43.37%	29.04%
Alternative 4	Minority Population	12,572	15,228	9,805	35,341	32,312	105,258
	Percent Minority	10.13%	12.30%	7.90%	28.66%	26.16%	17.01%
	Hispanic or Latino	21,745	17,602	15,901	23,783	34,277	113,308
	Hispanic or Latino/White	16,736	11,656	9,996	12,590	23,470	74,448
	Percent Minority or Ethnic	23.62%	21.71%	15.96%	38.87%	45.16%	29.04%
Alternative 5	Minority Population	12,461	15,219	9,795	35,148	32,635	105,258
	Percent Minority	10.12%	12.28%	7.91%	28.43%	26.25%	17.01%
	Hispanic or Latino	21,570	17,617	15,882	23,522	34,717	113,308
	Hispanic or Latino/White	16,592	11,666	9,982	12,628	23,580	74,448
	Percent Minority or Ethnic	23.60%	21.69%	15.98%	38.64%	45.22%	29.04%
Alternative 6	Minority Population	10,769	22,184	10,120	29,529	32,656	105,258
	Percent Minority	8.66%	17.97%	8.14%	23.97%	26.44%	17.01%
	Hispanic or Latino	17,692	18,398	16,093	26,386	34,739	113,308
	Hispanic or Latino/White	13,503	11,670	10,119	15,562	23,594	74,448
	Percent Minority or Ethnic	19.53%	27.42%	16.28%	36.60%	45.54%	29.04%

Source: U.S. Census Bureau

Summary

In summary, Planning Staff believes that the Alternative 6, derived from the input received at the August 8, 2011 M&P Meeting and community comments, meets or exceeds all of the statutory and case law precedents or common redistricting practices.





LEE COUNTY

 SOUTHWEST FLORIDA

 DIVISION OF PLANNING

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 Miles

 Map Generated October 2011



- District 1 - 124,294
- District 4 - 123,210
- City Limits
- District 2 - 123,445
- District 5 - 123,521
- Existing Districts
- District 3 - 124,284

Proposed Lee County Commission Districts

Alternative 6

MEMORANDUM
FROM THE
DEPARTMENT OF COMMUNITY DEVELOPMENT
DIVISION OF PLANNING

DATE: October 26, 2011

To: Board of County Commissioners **FROM:** Rick Burris
Principal Planner

RE: November 1st 9:30 Public Hearing
2011 Lee County Commission Redistricting

In preparation for the November 1st public hearing on redistricting Lee County Commission Districts:

The attached supplement is an update to the 2011 Lee County Redistricting Report dated July 28, 2011. This supplement includes revised tables and maps for Lee County Redistricting Alternative 9. This alternative is based on comments received at and since the October 11th Public hearing. Staff believes this alternative addresses resident and community concerns that have been submitted to the county staff.

Attachments

cc: Karen Hawes, County Manager
Holly Schwartz, Assistant County Manager
Mary Gibbs, DCD/Director
Paul O'Connor, Planning Director
Michael Hunt, County Attorney
Andrea Fraser, Assistant County Attorney
Donna Marie Collins, Assistant County Attorney
Planning File

2011 Lee County Commission Redistricting

Revised Tables

The tables below have been revised to include data for alternatives which were developed based on suggested changes made by the Board of County Commissioners and public comments received by the Planning Department.

Table 1

Commission District Population Figures, 2000 & 2010				
Commission District	2000 Population	Deviation from 2000 Target	2010 Population	% Deviation from 2010 Target
1	89,975	2.0%	111,416	-10.0%
2	88,713	0.6%	94,635	-23.5%
3	86,904	-1.4%	120,976	-2.2%
4	87,918	-0.3%	120,663	-2.5%
5	87,378	-0.9%	171,064	38.2%
Total	440,888		618,754	
2000 Target Commission District Population = 88,176				
2010 Target Commission District Population = 123,751				
(Target Population = Total County Population/5 Districts)				
Source: U.S. Census Bureau				

Table 2

Population Distribution by Commission District – Relative Range						
Commission District		1	2	3	4	5
Current District Boundaries	Population	111,416	94,635	120,976	120,663	171,064
	% Deviation from Target	10.0%	-23.5%	-2.2%	-2.5%	38.2%
Alternative 1	Population	124,503	124,101	124,203	122,890	123,057
	% Deviation from Target	0.6%	0.3%	0.4%	-0.7%	-0.6%
Alternative 2	Population	123,266	123,772	123,933	124,079	123,704
	% Deviation from Target	-0.4%	0.0%	0.2%	0.3%	-0.0%
Alternative 3	Population	123,492	123,745	123,764	123,669	124,084
	% Deviation from Target	-0.2%	0.0%	0.0%	-0.1%	0.3%
Alternative 4	Population	124,058	123,807	124,052	123,526	123,311
	% Deviation from Target	0.3%	0.1%	0.2%	-0.2%	-0.4%
Alternative 5	Population	123,130	123,926	123,756	123,629	124,313
	% Deviation from Target	-0.5%	0.1%	0.0%	-0.1%	0.5%
Alternative 6	Population	124,294	123,445	124,284	123,210	123,521
	% Deviation from Target	.4%	-.3%	.4%	-.4%	-.2%
Alternative 9	Population	123,749	123,653	123,883	123,590	123,879
	% Deviation from Target	0 %	-.1%	.1%	-.1%	.1%
Source: U.S. Census Bureau						

Table 3

Population Distribution by Commission District – Overall Range			
	High	Low	Difference
Current District Boundaries	171,064	94,635	76,429
Alternative 1	124,503	122,890	1,613
Alternative 2	124,079	123,266	813
Alternative 3	124,084	123,492	592
Alternative 4	124,058	123,311	747
Alternative 5	124,313	123,130	1,183
Alternative 6	124,294	123,210	1,084
Alternative 9	123,590	123,883	293

Source: U.S. Census Bureau

Table 4

Population Distribution by Commission District – Percent Relative Mean						
	District 1	District 2	District 3	District 4	District 5	Percent Relative Mean
Current Districts	12,335	29,116	2,775	3,088	47,313	15.29%
Alternative 1	752	350	452	861	694	0.38%
Alternative 2	485	47	21	182	328	0.17%
Alternative 3	259	6	13	82	333	0.11%
Alternative 4	307	56	301	440	225	0.21%
Alternative 5	621	175	5	122	562	0.24%
Alternative 6	543	306	533	541	230	0.35%
Alternative 9	2	98	132	161	128	0.08%

2010 Target Commission District Population = 123,751 (Target Population = Total County Population/5 Districts)
Source: U.S. Census Bureau

Table 5

Measure of Compactness					
	District 1	District 2	District 3	District 4	District 5
Current Districts	.56	.55	.33	.53	.60
Alternative 1	.45	.52	.46	.57	.47
Alternative 2	.45	.46	.55	.59	.36
Alternative 3	.45	.49	.29	.40	.38
Alternative 4	.55	.34	.32	.33	.49
Alternative 5	.55	.35	.33	.34	.55
Alternative 6	.54	.38	.39	.52	.56
Alternative 9	.57	.44	.40	.52	.56

Source: Lee County Planning/GIS shapefile

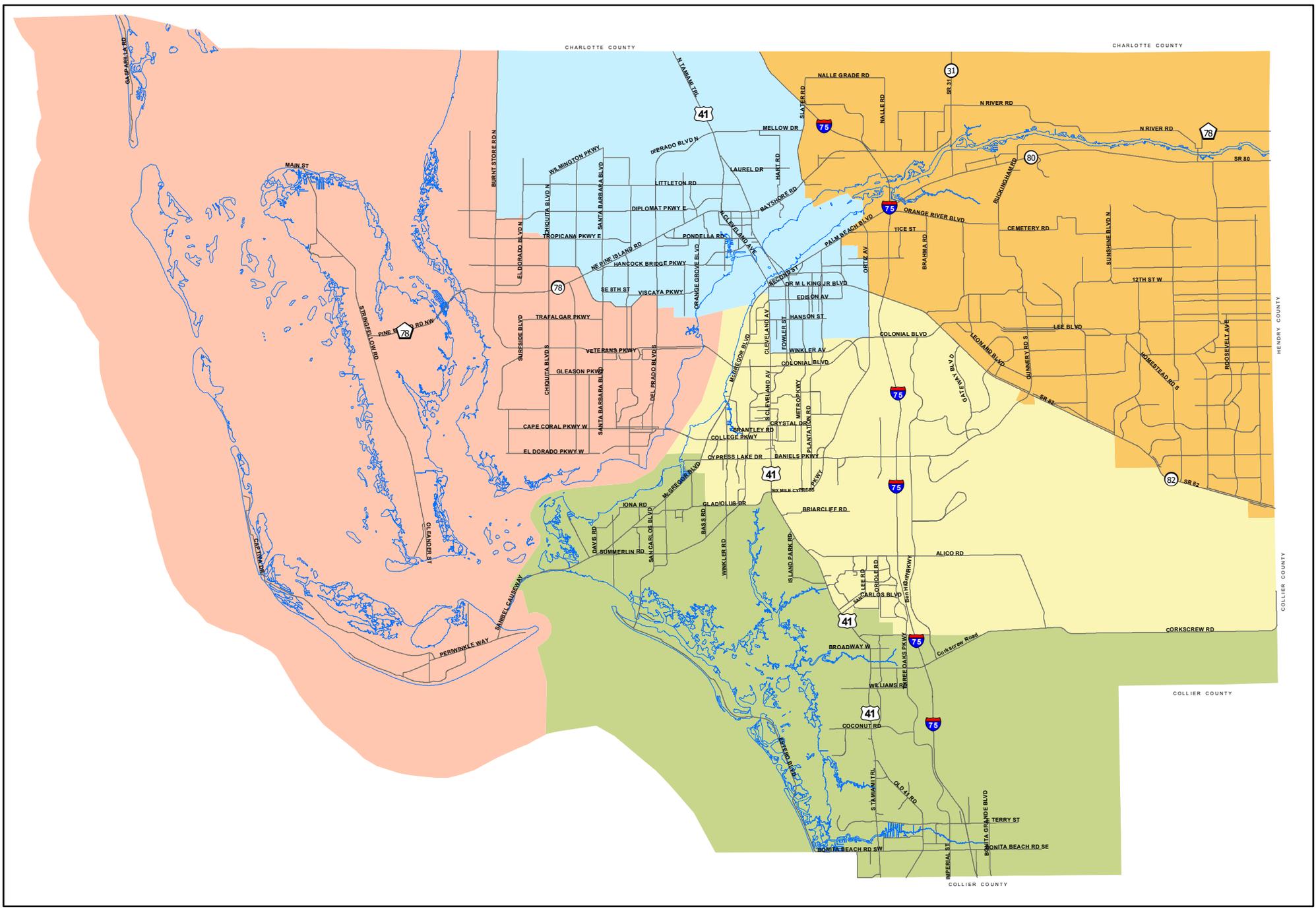
Table 6

Minority, Black or African American and Hispanic Population by Commission District							
		District 1	District 2	District 3	District 4	District 5	County Total
Current Commission Districts	Minority Population	8,089	35,641	10,148	14,054	37,326	105,258
	Percent Minority	7.26%	37.66%	8.39%	11.65%	21.82%	17.01%
	Black or African American Population	3,160	23,097	2,204	6,158	21,395	56,014
	Percent Black or African American	2.84%	24.41%	1.82%	5.10%	12.51%	9.05%
	Hispanic or Latino	13,667	21,165	16,449	20,837	41,190	113,308
	Hispanic or Latino/White	10,575	10,403	10,405	14,924	28,141	74,448
	Percent Minority or Ethnic	16.75%	48.65%	16.99%	24.02%	38.27%	29.04%
Alternative 1	Minority Population	9,891	38,226	11,100	13,909	32,123	105,258
	Percent Minority	7.94%	30.80%	8.94%	11.32%	26.11%	17.01%
	Black or African American Population	3,795	24,130	2,341	6,165	19,583	56,014
	Percent Black or African American	3.05%	19.44%	1.88%	5.02%	15.91%	9.05%
	Hispanic or Latino	15,785	23,597	18,071	20,681	35,174	113,308
	Hispanic or Latino/White	11,368	12,281	11,613	15,537	23,947	74,448
	Percent Minority or Ethnic	17.07%	40.70%	18.29%	23.46%	45.57%	29.04%
Alternative 2	Minority Population	9,671	39,255	10,786	14,335	31,211	105,258
	Percent Minority	7.85%	31.71%	8.70%	11.55%	25.23%	17.01%
	Black or African American Population	3,739	24,502	2,230	6,343	19,200	56,014
	Percent Black or African American	3.03%	19.81%	1.80%	5.12%	15.91%	9.05%
	Hispanic or Latino	15,251	25,329	17,674	21,507	33,547	113,308
	Hispanic or Latino/White	11,368	13,279	11,272	15,537	22,992	74,448
	Percent Minority or Ethnic	17.07%	42.44%	17.80%	24.08%	43.82%	29.04%
Alternative 3	Minority Population	12,472	26,090	9,027	27,053	30,616	105,258
	Percent Minority	10.10%	21.08%	7.29%	21.88%	24.67%	17.01%
	Black or African American Population	5,384	16,420	1,797	14,288	18,125	56,014
	Percent Black or African American	4.36%	13.27%	1.45%	11.55%	14.61%	9.05%
	Hispanic or Latino	21,736	16,583	15,030	25,726	34,233	113,308
	Hispanic or Latino/White	16,774	10,152	9,651	14,677	23,194	74,448
	Percent Minority or Ethnic	23.68%	29.29%	15.09%	33.74%	43.37%	29.04%
Alternative 4	Minority Population	12,572	15,228	9,805	35,341	32,312	105,258
	Percent Minority	10.13%	12.30%	7.90%	28.66%	26.16%	17.01%
	Black or African American Population	5,456	6,260	2,015	22,489	19,794	56,014
	Percent Black or African American	4.40%	5.06%	1.62%	18.24%	16.02%	9.05%
	Hispanic or Latino	21,745	17,602	15,901	23,783	34,277	113,308
	Hispanic or Latino/White	16,736	11,656	9,996	12,590	23,470	74,448
	Percent Minority or Ethnic	23.62%	21.71%	15.96%	38.87%	45.16%	29.04%
Alternative 5	Minority Population	12,461	15,219	9,795	35,148	32,635	105,258
	Percent Minority	10.12%	12.28%	7.91%	28.43%	26.25%	17.01%
	Black or African American Population	5,383	6,242	2,015	22,419	19,955	56,014
	Percent Black or African American	4.37%	5.04%	1.63%	18.13%	16.05%	9.05%
	Hispanic or Latino	21,570	17,617	15,882	23,522	34,717	113,308
	Hispanic or Latino/White	16,592	11,666	9,982	12,628	23,580	74,448
	Percent Minority or Ethnic	23.60%	21.69%	15.98%	38.64%	45.22%	29.04%

Minority, Black or African American and Hispanic Population by Commission District							
		District 1	District 2	District 3	District 4	District 5	County Total
Alternative 6	Minority Population	10,769	22,184	10,120	29,529	32,656	105,258
	Percent Minority	8.66%	17.97%	8.14%	23.97%	26.44%	17.01%
	Black or African American Population	4,303	12,156	2,124	17,445	19,986	56,014
	Percent Black or African American	3.46%	9.85%	1.71%	14.16%	16.18%	9.05%
	Hispanic or Latino	17,692	18,398	16,093	26,386	34,739	113,308
	Hispanic or Latino/White	13,503	11,670	10,119	15,562	23,594	74,448
	Percent Minority or Ethnic	19.53%	27.42%	16.28%	36.60%	45.54%	29.04%
Alternative 9	Minority Population	10,613	17,430	10,065	31,114	36,036	105,258
	Percent Minority	8.58%	14.10%	8.12%	25.18%	29.09%	17.01%
	Black or African American Population	4,324	7,824	2,101	21,066	20,699	56,014
	Percent Black or African American	3.49%	6.33%	1.70%	17.05%	16.71%	9.05%
	Hispanic or Latino	18,008	17,693	16,040	22,837	38,730	113,308
	Hispanic or Latino/White	13,929	11,654	10,090	20,227	18,548	74,448
	Percent Minority or Ethnic	19.83%	23.52%	16.27%	41.54%	44.06%	29.04%
Source: U.S. Census Bureau							

Summary

In summary, Planning Staff believes that the Alternatives 6 and 9, derived from the input received since the August 8, 2011 M&P Meeting and community comments, meet or exceed all of the statutory and case law precedents or common redistricting practices.





LEE COUNTY
 SOUTHWEST FLORIDA
 DIVISION OF PLANNING
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 Miles
 Map Generated October 2011



- District 1 - 123,749
- District 4 - 123,590
- District 2 - 123,653
- District 5 - 123,879
- District 3 - 123,883

Proposed Lee County Commission Districts

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