
Redistricting 2020

ST. JOHNS COUNTY FL

ARCBridge Consulting & Training Inc.

www.arcbridge.com

Report Based on Census PL94-171 - 2020 and 2010

Why Redistrict?

- Every 10 years after the Decennial Census, every state, county, city, town, special district must redraw their district boundaries to reflect the changes in population.
- These districts are geographies and may be called council districts, wards etc.
- All redistricting must use the Census PL94-171 data and associated Census geography

Voting Rights of 1965

- Voting Rights Act of 1965 – to remedy the inequality of opportunity provided to racial and ethnic minorities to participate in elections
- Section 2 of The Voting Rights Act –prohibits any state from imposing a voting qualification or prerequisite to voting or standard, practice to deny the right to vote based on color or race.

Redistricting Data Requirements

PL94-171 DEMOGRAPHIC DATA

PL94-171 Demographic Data – This was released in legacy format on August 12th

GEOGRAPHY FILES

Census Geography – Census Tracts, Blockgroups and Blocks

Redistricting Demographic Data - Census PL94-171 Data

- In 1975 PL94-171 was enacted to create the data required for Redistricting
- Bureau of Census Redistricting Office releases this demographic data
- 100% Count of Total Population and Voting Age Population by Race and Ethnicity (Hispanic)
- Data is summarized at various levels of geography
- This year this data release has been delayed due to the pandemic

After a long wait the Data is now available

Process PL94-171 Demographic Data – Race and Ethnicity; Total and VAP

Total	Voting Age
Total Population	Total Voting Age Population
Hispanic	Voting Age Hispanic
Non Hispanic White	Voting Age White
Non Hispanic Black	Voting Age Non Hispanic Black
Non Hispanic Asian	Voting Age Non Hispanic Asian
Non Hispanic Hawaiian/Pacific Islander	Voting Age Non Hispanic Hawaiian/Pacific Islander
Non Hispanic Native Americans	Voting Age Non Hispanic Native Americans
Non Hispanic Other	Voting Age Non Hispanic Other
Non Hispanic Persons of 2 or more Races	Voting Age Non Hispanic Persons of 2 or more Races

Geography - Predefined

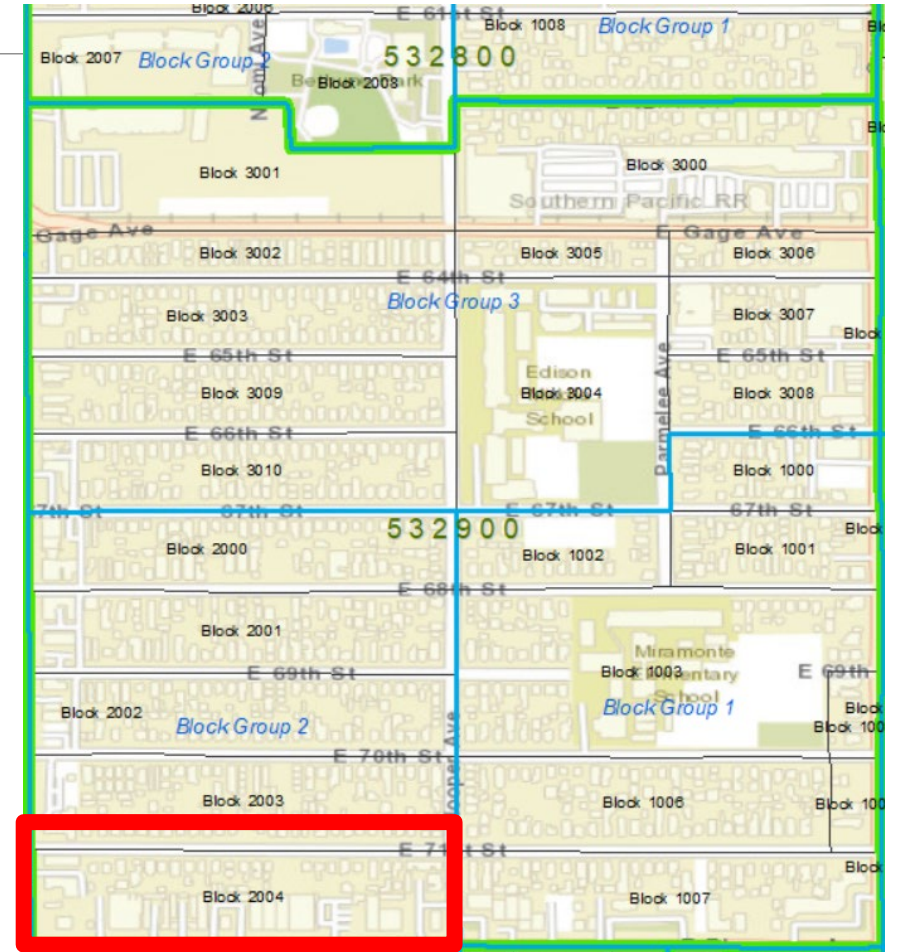
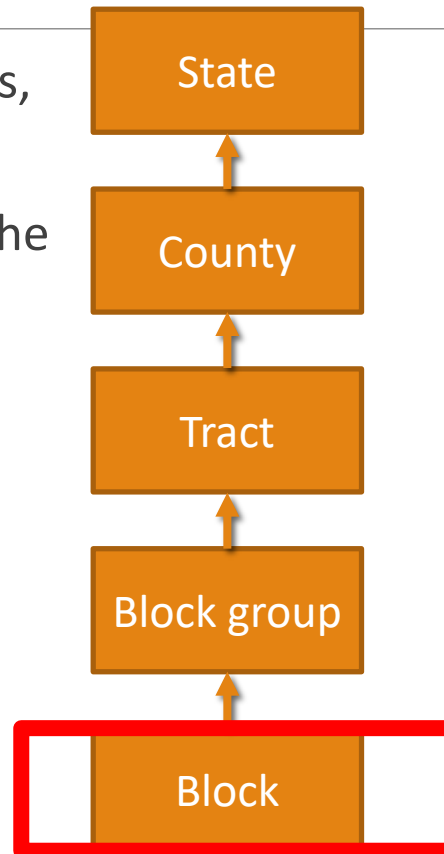
Geography – You will assign geographies to districts. The geographies will be Census tracts, Blockgroups or blocks.

These are nested geographies – Blocks being the smallest

A collection of blocks make a blockgroup

A collection of Blockgroups make a tract

All tracts make up the county



Redistricting Requirements

- Equal Population – as equal as possible
- Create districts that have a total population deviation of no more than 10% between their most heavily populated district and the least populated district.
- Compact
- Contiguous
- Minorities are fairly represented
- Communities of Interest

Redistricting Process

Process Census PL94-171 data

Using New Census, create existing districts - AS-IS Plan

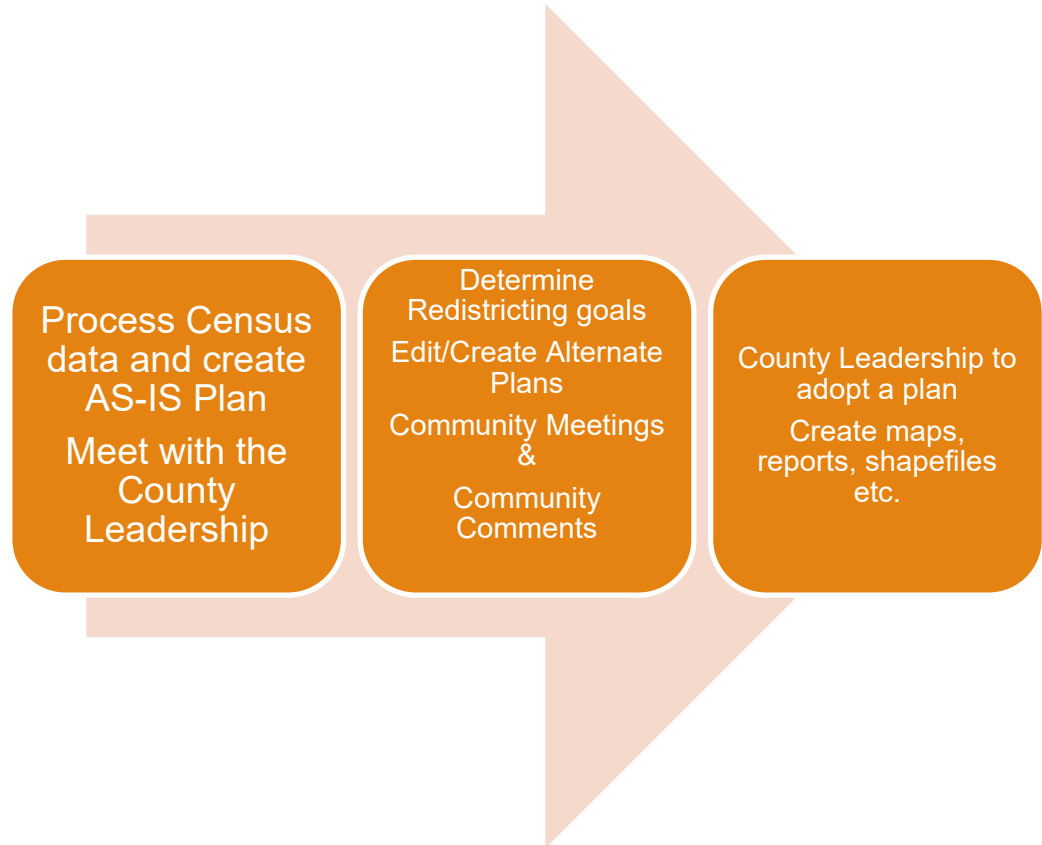
Test for redistricting requirements– check for population, compute ideal population, check for compactness, contiguity and minority population

Determine if redistricting is required

If districts are out of balance, begin editing the existing districts

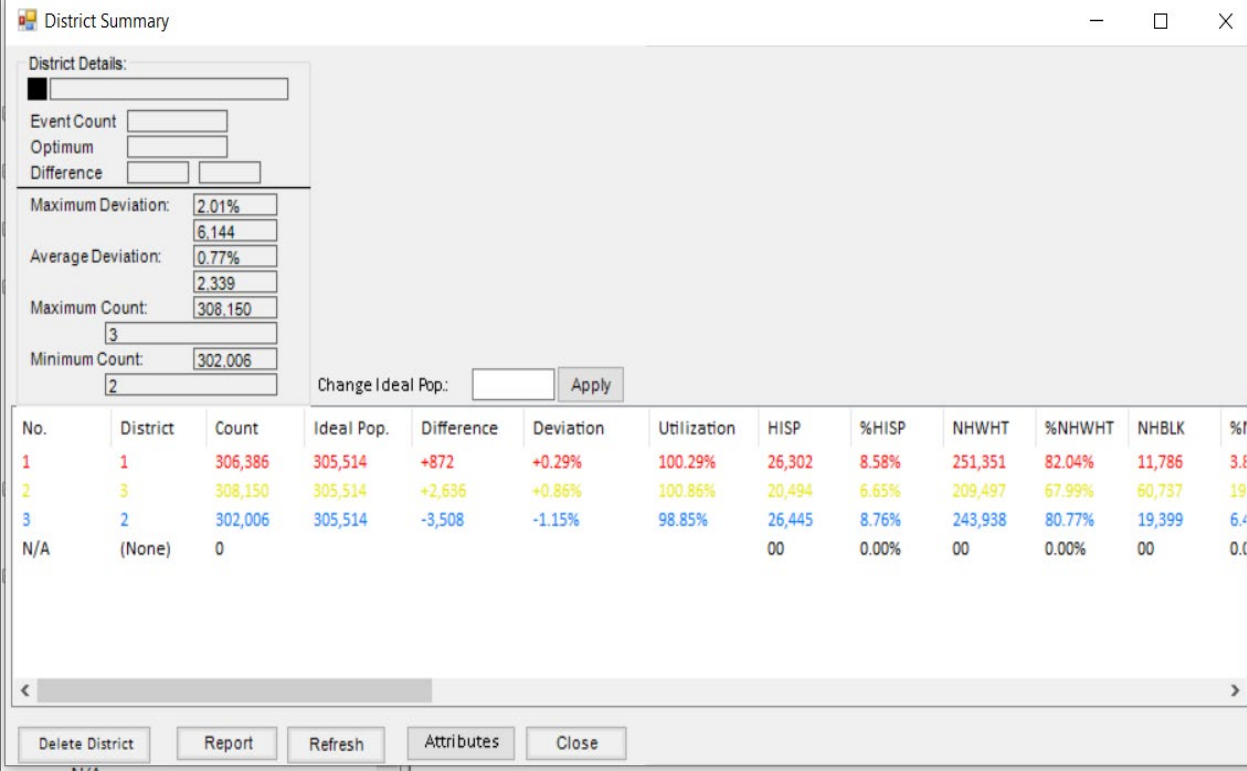
Submit alternate plans for County Leadership review

After the County Leadership approves a plan – create maps, reports, provide a description of the district boundaries for the city ordinance



Tools for Redistricting DISTRICTSolv by ARCBridge

- DISTRICTSolv - ArcGIS Extension developed by ARCBridge
- Works with ArcGIS Desktop
- Works with Census PL94-171 Data
- Works with Census Geography
- Creates maps and reports



District Summary

District Details:

Event Count:

Optimum:

Difference:

Maximum Deviation: 2.01%

Average Deviation: 0.77%

Maximum Count: 308,150

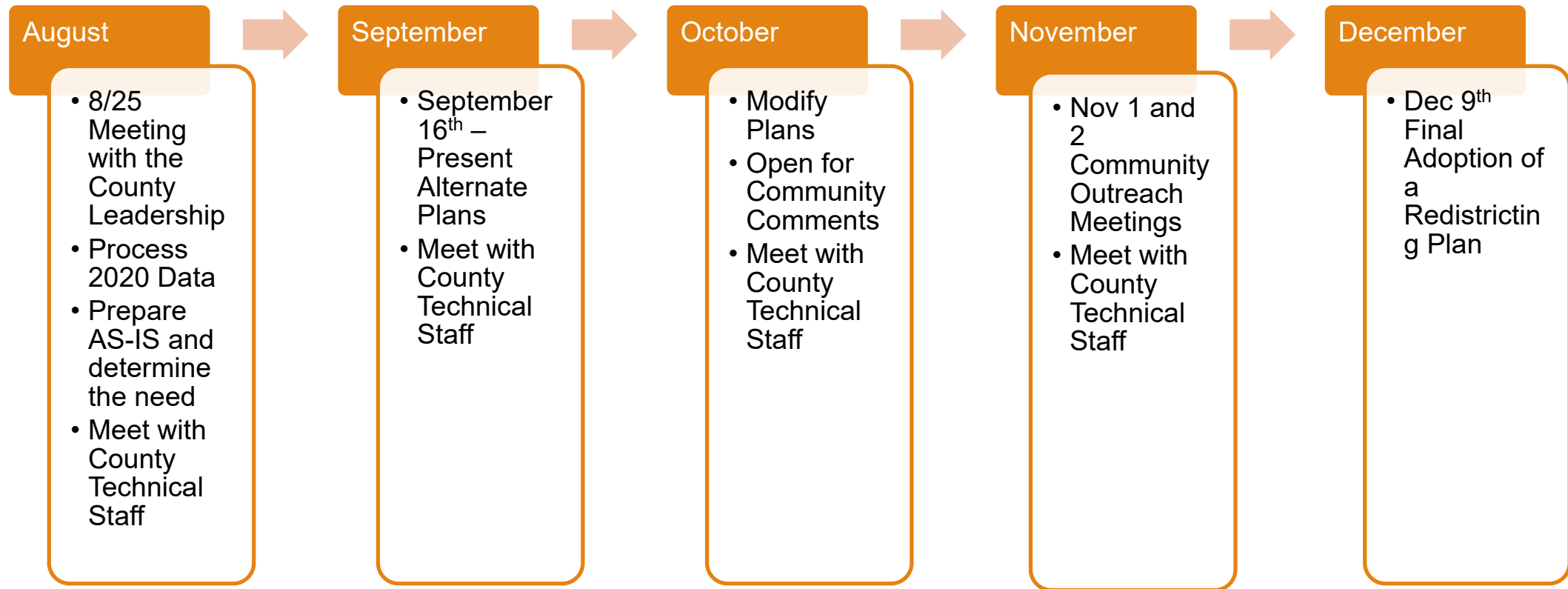
Minimum Count: 302,006

Change Ideal Pop.: Apply

No.	District	Count	Ideal Pop.	Difference	Deviation	Utilization	HISP	%HISP	NHWHT	%NHWHT	NHBK	%NHBK
1	1	306,386	305,514	+872	+0.29%	100.29%	26,302	8.58%	251,351	82.04%	11,786	3.8%
2	3	308,150	305,514	+2,636	+0.86%	100.86%	20,494	6.65%	209,497	67.99%	60,737	19.8%
3	2	302,006	305,514	-3,508	-1.15%	98.85%	26,445	8.76%	243,938	80.77%	19,399	6.4%
N/A	(None)	0					00	0.00%	00	0.00%	00	0.0%

Delete District Report Refresh Attributes Close

Redistricting Timeline

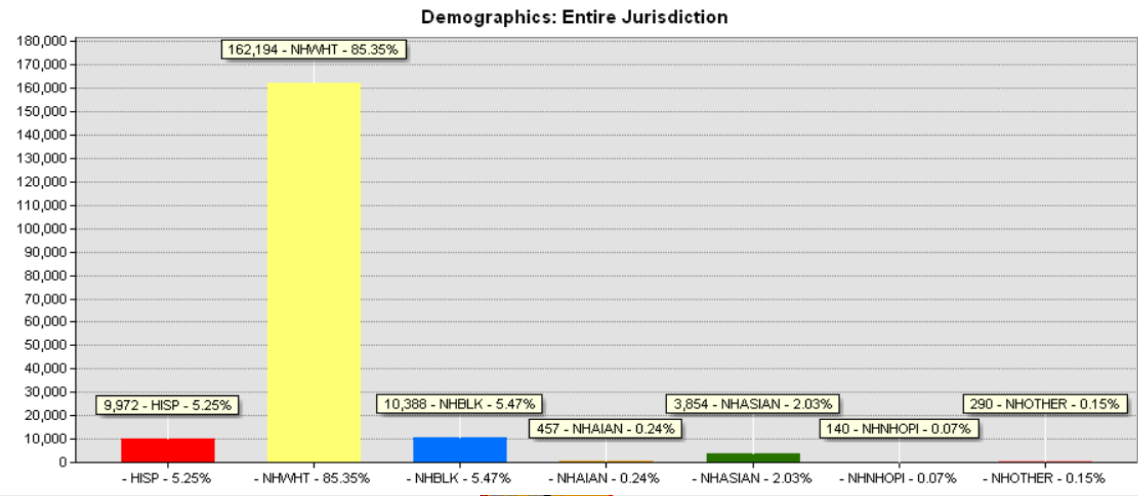


2020 Data Analysis

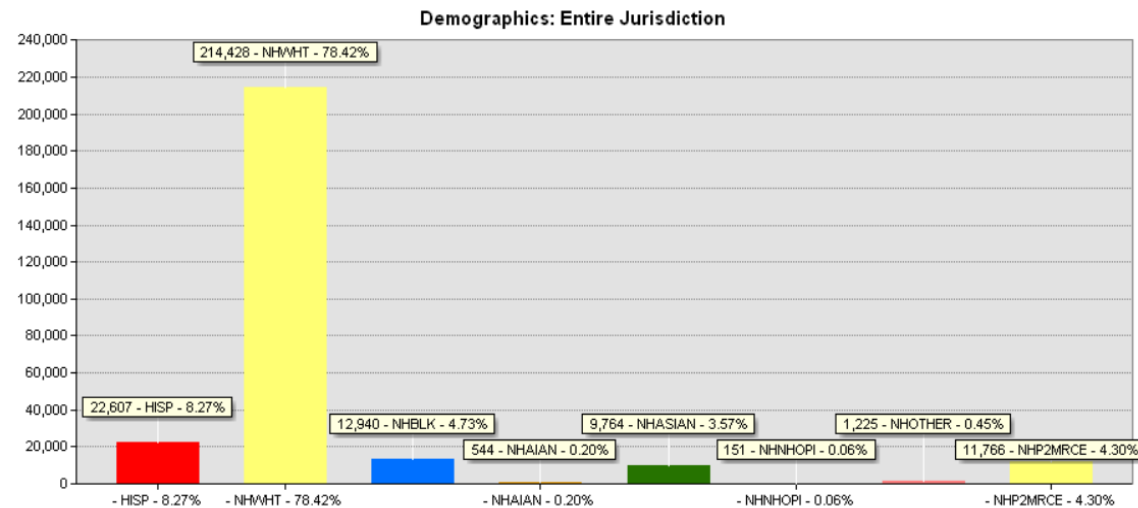
DETERMINING THE NEED FOR REDISTRICTING

2010 & 2020 - PL94-171 Census Data 2020 -273,425; Gain 83,386

emographics Graph



emographics Graph



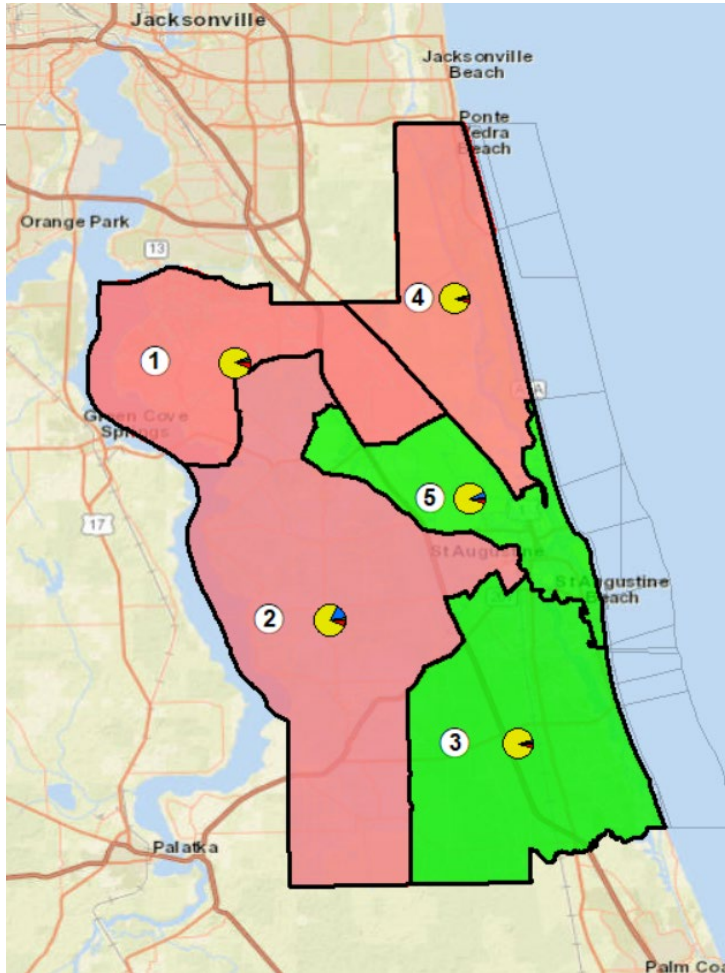
2010 Population – 190,039

HISP:	9,972	5.25%	HISP18:	6,686	3.52%
NHWHT:	162,194	85.35%	NHWHT18:	127,373	67.02%
NHBLK:	10,388	5.47%	NHBLK18:	7,387	3.89%
NHAIAN:	457	0.24%	NHAIAN18:	365	0.19%
NHASIAN:	3,854	2.03%	NHASIN18:	2,780	1.46%
NHNHOPI:	140	0.07%	NHNHOP18:	110	0.06%
NHOTHER:	290	0.15%	NHOTH18:	153	0.08%
NHP2MRCE:	2,744	1.44%	NHP2RC18:	1,334	0.70%
	190,039	100.00%		146,188	76.93%
NHAIAN:	544	0.20%	NHAIAN18:	456	0.17%
NHASIAN:	9,764	3.57%	NHASIN18:	6,968	2.55%

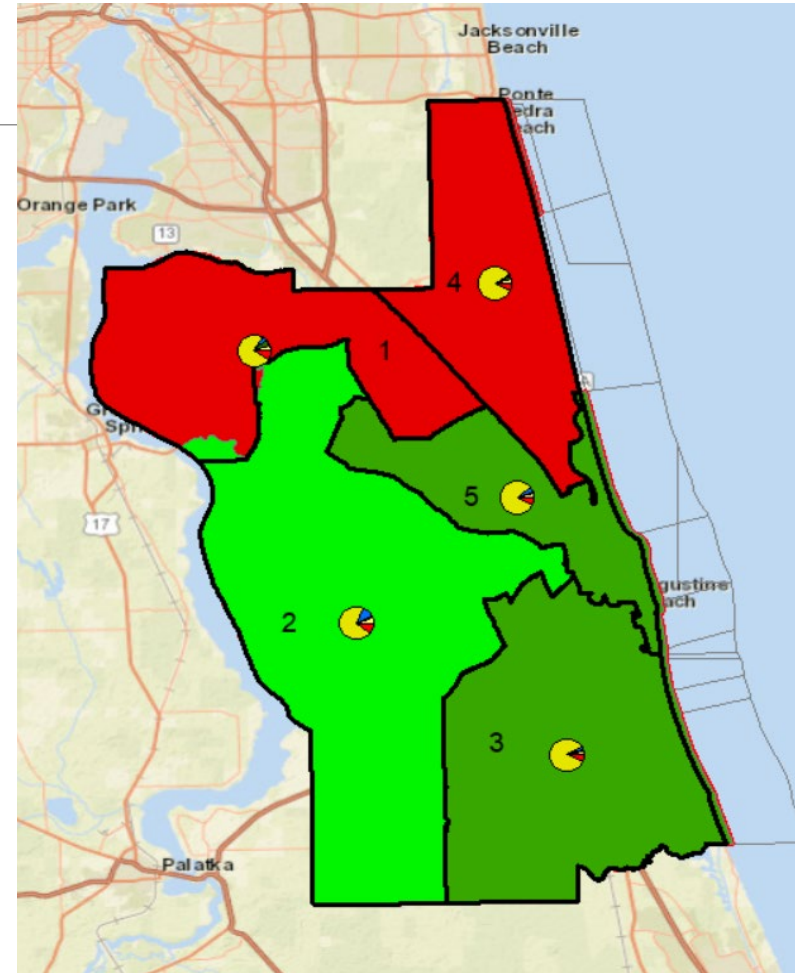
Gain/Loss - 2020 – 2010

HISP:	12,635	HISP18	8,293
NHWHT:	52,234	NHWHITE18	43,508
NHBLK:	2,552	NHBLK18	2,154
TOTAL	83,386	TOTAL18	64,413

Comparison with Ideal Population



2010 - Ideal Population per district – 38,008



2020 - Ideal Population per district – 54,685

Red and Pink districts have more population than ideal population; Green districts have less

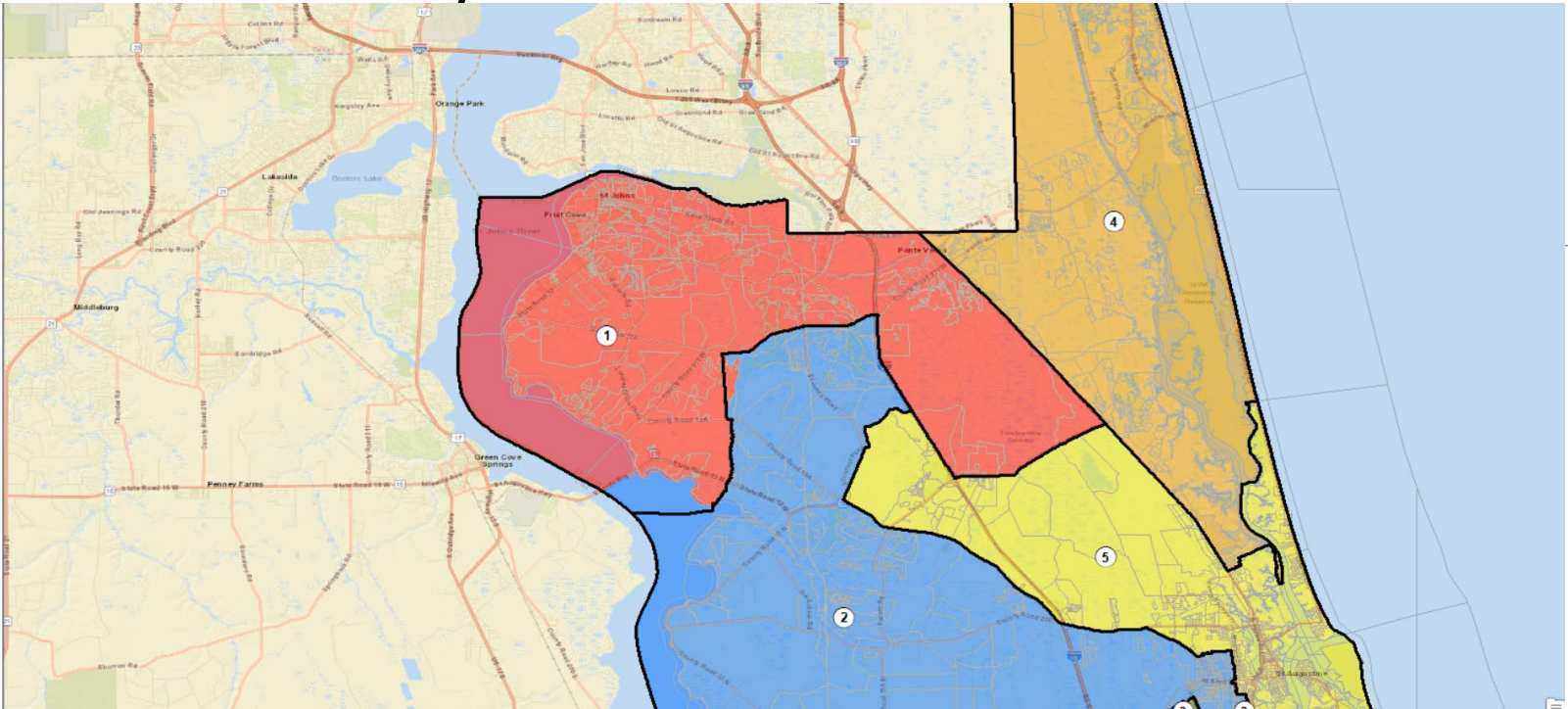
District Summary – Total Population - Gain 83,386; Maximum Deviation changes to 39.33%

District Summary							District Summary						
SJFL							SJCFL-2020-AS_IS						
District Count: 5							District Count: 5						
Total Population: 190,039							Total Population: 273,425						
Maximum Deviation: 1,137							Maximum Deviation: 21,509						
Average Deviation: 389							Average Deviation: 8,586						
Minimum Count: 37,475							Minimum Count: 45,121						
Maximum Count: 38,612							Maximum Count: 66,630						
District	Name	Count	Optimum	Deviation	Deviation %		District	Name	Count	Optimum	Deviation	Deviation %	
1	1	38,235	38,008	227	0.60%		1	1	66,630	54,685	11,945	21.84%	
	2	38,612	38,008	604	1.59%			2	51,231	54,685	-3,454	-6.32%	
	3	37,475	38,008	-533	-1.40%			3	46,238	54,685	-8,447	-15.45%	
	4	38,148	38,008	140	0.37%			4	64,205	54,685	9,520	17.41%	
	5	37,569	38,008	-439	-1.16%			5	45,121	54,685	-9,564	-17.49%	

2010

2020

St. Johns County – District 1



Gain/Loss 2020-2010

	Total	VAP
HISP:	4,177	2,634
NHWHT:	16,008	12,249
NHBLK:	1,628	1,158
NHAIAN:	55	45
NHASIAN:	3,423	2,279
NHNHOPI:	33	17
NHOTHER:	277	165
NHP2MRCE:	2,794	1,577
Total	28,395	20,124
%	74%	75%

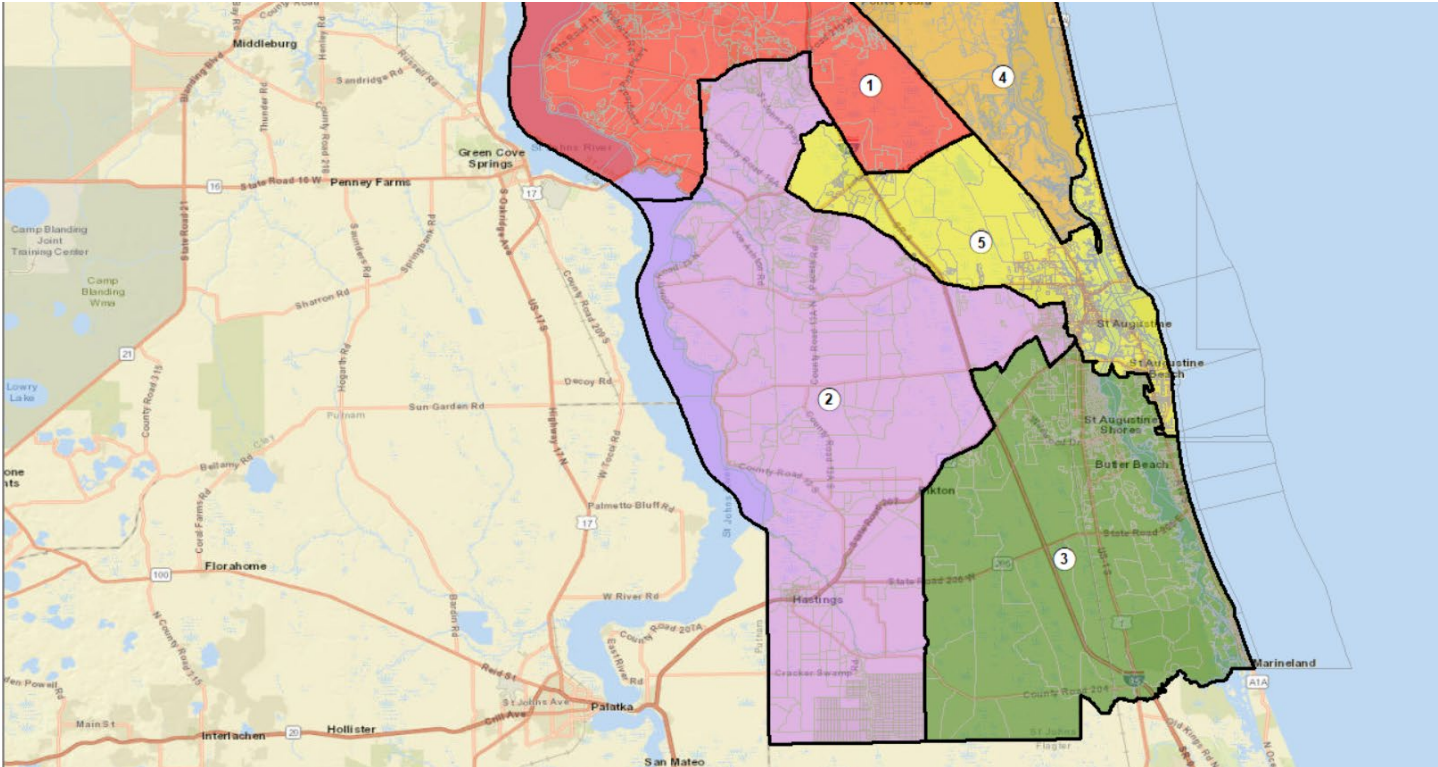
Census 2020 Total & VAP

1	66,630	54,685		11,945	21.84%
HISP:	6,378	9.57%	HISP18:	3,954	5.93%
NHWHT:	48,790	73.23%	NHWHT18:	35,569	53.38%
NHBLK:	2,935	4.40%	NHBLK18:	2,067	3.10%
NHAIAN:	132	0.20%	NHAIAN18:	100	0.15%
NHASIAN:	4,574	6.86%	NHASIN18:	3,068	4.60%
NHNHOPI:	44	0.07%	NHNHOP18:	28	0.04%

Census 2010 Total & VAP

1	38,235	38,008		227	0.60%
HISP:	2,201	5.76%	HISP18:	1,320	3.45%
NHWHT:	32,782	85.74%	NHWHT18:	23,320	60.99%
NHBLK:	1,307	3.42%	NHBLK18:	909	2.38%
NHAIAN:	77	0.20%	NHAIAN18:	55	0.14%
NHASIAN:	1,151	3.01%	NHASIN18:	789	2.06%
NHNHOPI:	11	0.03%	NHNHOP18:	11	0.03%

St. Johns County – District 2

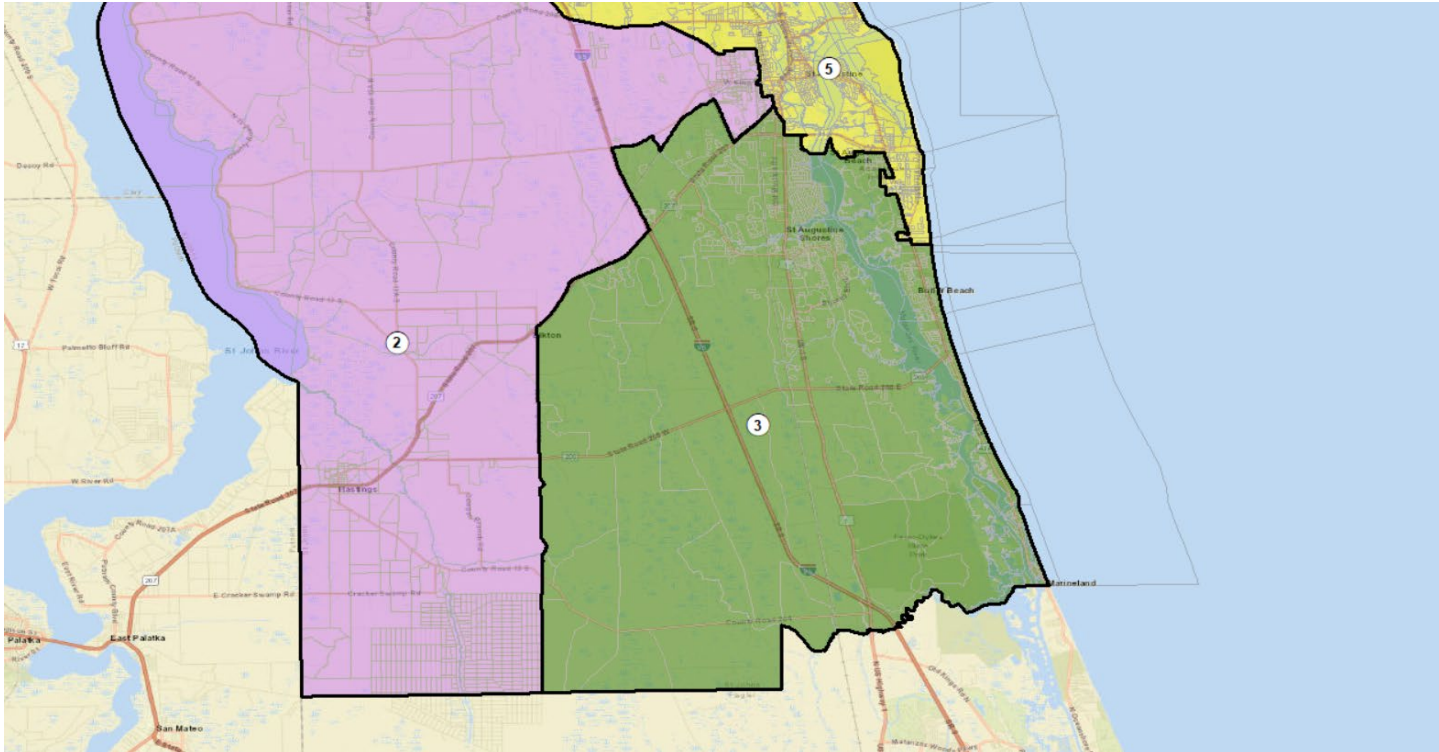


Gain/Loss 2020-2010		
	Total	VAP
HISP:	2,635	1,713
NHWHT:	7,446	6,242
NHBLK:	96	285
NHAIAN:	16	24
NHASIAN:	532	435
NHNHOPI:	-8	-7
NHOTHER:	172	114
NHP2MRCE:	1,730	1,060
Total	12,619	9,866

Census 2020 Total & VAP					
2	51,231	54,685	-3454	-6.32%	
HISP:	5,094	9.94%	HISP18:	3,281	6.40%
NHWHT:	36,367	70.99%	NHWHT18:	27,101	52.90%
NHBLK:	5,489	10.71%	NHBLK18:	4,007	7.82%
NHAIAN:	130	0.25%	NHAIAN18:	111	0.22%
NHASIAN:	1,498	2.92%	NHASIN18:	1,081	2.11%

Census 2010 Total & VAP					
2	38,612	38,008	604	1.59%	
HISP:	2,459	6.37%	HISP18:	1,568	4.06%
NHWHT:	28,921	74.90%	NHWHT18:	20,859	54.02%
NHBLK:	5,393	13.97%	NHBLK18:	3,722	9.64%
NHAIAN:	114	0.30%	NHAIAN18:	87	0.23%
NHASIAN:	966	2.50%	NHASIN18:	646	1.67%

St. Johns County – District 3



Gain/Loss 2020-2010

	Total	VAP
HISP:	1,457	1,035
NHWHT:	5,570	5,712
NHBLK:	203	162
NHAIAN:	13	15
NHASIAN:	147	141
NHNHOPI:	-6	-9
NHOTHER:	139	115
NHP2MRCE:	1,240	862
Total	8,763	8,033
%	23%	26%

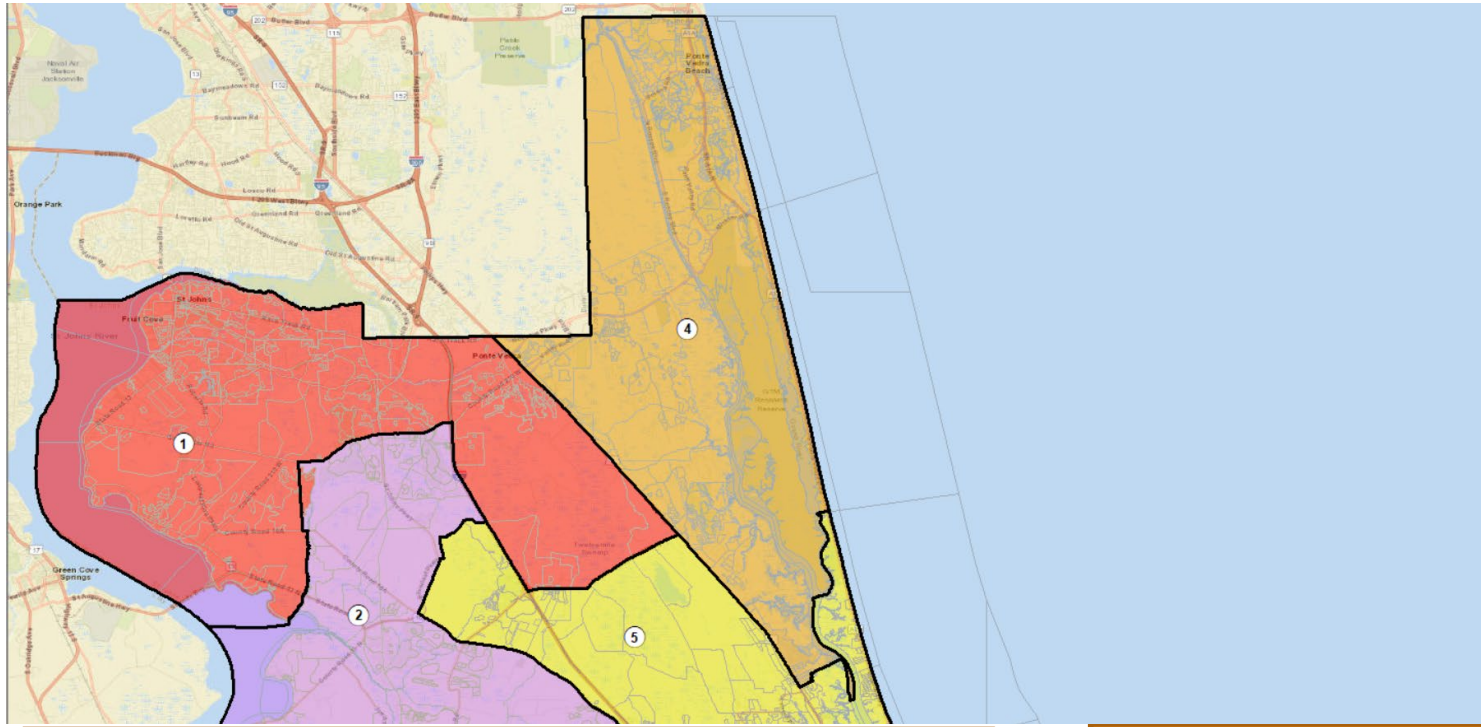
Census 2020 Total & VAP

3	46,238	54,685	-8447	-15.45%	
HISP:	3,172	6.86%	HISP18:	2,279	4.93%
NHWHT:	39,304	85.00%	NHWHT18:	34,168	73.90%
NHBLK:	1,105	2.39%	NHBLK18:	839	1.81%
NHAIAN:	106	0.23%	NHAIAN18:	92	0.20%
NHASIAN:	655	1.42%	NHASIN18:	555	1.20%
NHNHOPI:	26	0.06%	NHNHOPI18:	14	0.03%

Census 2010 Total & VAP

3	37,475	38,008	-533	-1.40%	
HISP:	1,715	4.58%	HISP18:	1,244	3.32%
NHWHT:	33,734	90.02%	NHWHT18:	28,456	75.93%
NHBLK:	902	2.41%	NHBLK18:	677	1.81%
NHAIAN:	93	0.25%	NHAIAN18:	77	0.21%
NHASIAN:	508	1.36%	NHASIN18:	414	1.10%
NHNHOPI:	22	0.06%	NHNHOPI18:	22	0.06%

St. Johns County – District 4



Gain/Loss 2020-2010

	Total	VAP
HISP:	2,841	1,785
NHWHT:	18,807	14,875
NHBLK:	651	489
NHAIAN:	24	21
NHASIAN:	1,519	1,078
NHNHOPI:	8	6
NHOTHER:	204	141
NHP2MRCE:	2,003	1,157
Total	26,057	19,552

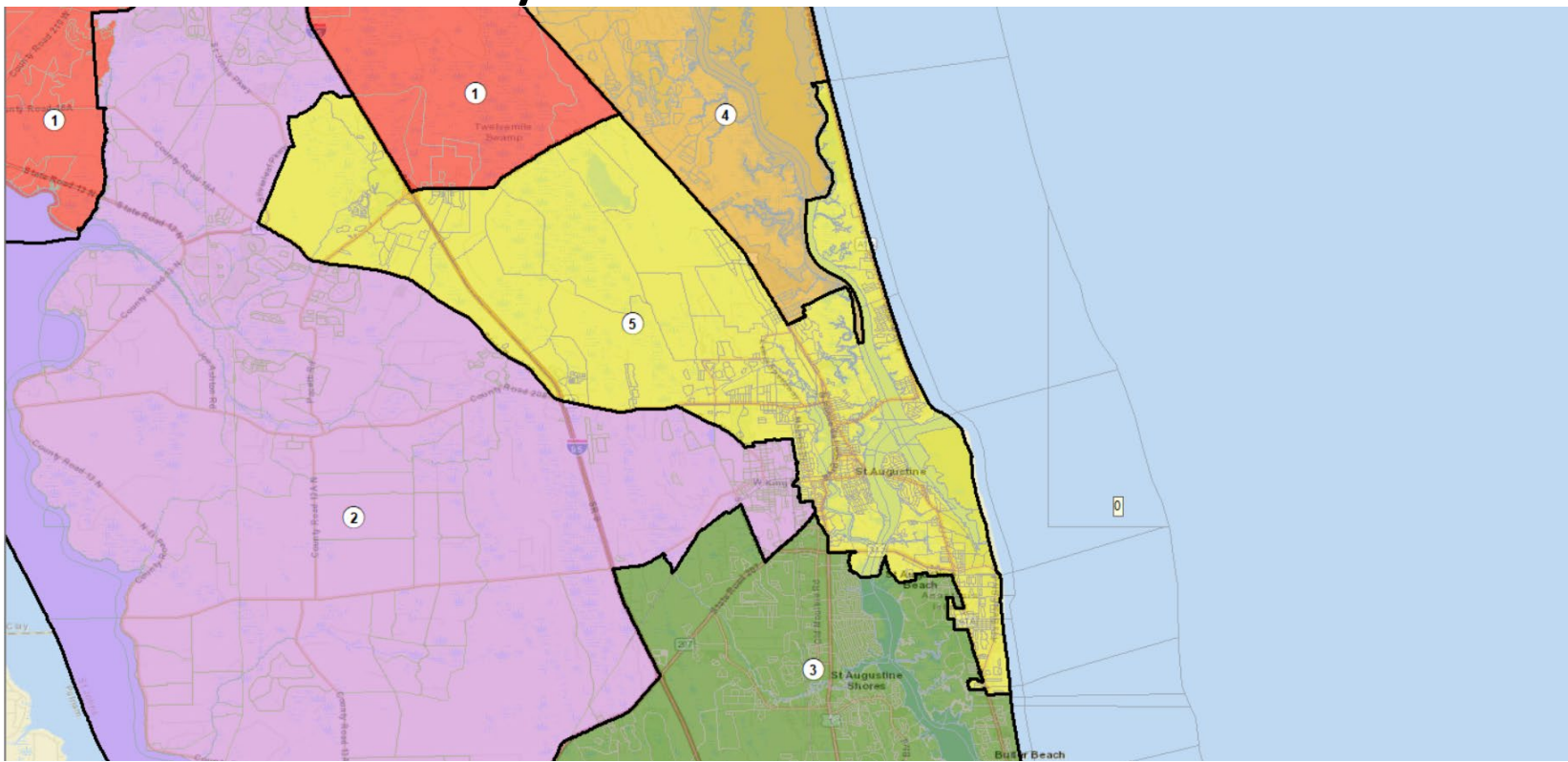
Census 2020 Total & VAP

4	64,205	54,685		9,520	17.41%	
HISP:	4,423	6.89%		HISP18:	2,853	4.44%
NHWHT:	53,393	83.16%		NHWHT18:	42,090	65.56%
NHBLK:	1,234	1.92%		NHBLK18:	903	1.41%
NHAIAN:	77	0.12%		NHAIAN18:	65	0.10%
NHASIAN:	2,248	3.50%		NHASIN18:	1,619	2.52%
NHNHOPI:	8	0.01%		NHNHOPI18:	6	0.01%
NHOTHER:	204	0.32%		NHOTHER18:	141	0.22%
NHP2MRCE:	2,003	3.12%		NHP2MRCE18:	1,157	1.80%

Census 2010 Total & VAP

4	38,148	38,008		140	0.37%	
HISP:	1,582	4.15%		HISP18:	1,068	2.80%
NHWHT:	34,586	90.66%		NHWHT18:	27,215	71.34%
NHBLK:	583	1.53%		NHBLK18:	414	1.09%
NHAIAN:	53	0.14%		NHAIAN18:	44	0.12%
NHASIAN:	729	1.91%		NHASIN18:	541	1.42%
NHNHOPI:	30	0.08%		NHNHOPI18:	21	0.06%

St. Johns County – District 5



Gain/Loss 2020-2010

	Total	VAP
HISP:	1,525	1,126
NHWHT:	4,403	4,430
NHBLK:	-26	60
NHAIAN:	-21	-14
NHASIAN:	289	255
NHNHOPI:	-16	-17
NHOTHER:	143	125
NHP2MRCE:	1,255	873
Total	7,552	6,838
%	20%	22%

Census 2020 Total & VAP

5	45,121	54,685		-9564	-17.49%	
HISP:	3,540	7.85%		HISP18:	2,612	5.79%
NHWHT:	36,574	81.06%		NHWHT18:	31,953	70.82%
NHBLK:	2,177	4.82%		NHBLK18:	1,725	3.82%
NHAIAN:	99	0.22%		NHAIAN18:	88	0.20%
NHASIAN:	789	1.75%		NHASIN18:	645	1.43%

Census 2010 Total & VAP

5	37,569	38,008		-439	-1.16%	
HISP:	2,015	5.36%		HISP18:	1,486	3.96%
NHWHT:	32,171	85.63%		NHWHT18:	27,523	73.26%
NHBLK:	2,203	5.86%		NHBLK18:	1,665	4.43%
NHAIAN:	120	0.32%		NHAIAN18:	102	0.27%
NHASIAN:	500	1.33%		NHASIN18:	390	1.04%

Alternate Plans

SEPTEMBER 16TH