

APPENDIX TO PLAINTIFFS’ PROPOSED FINDINGS OF FACT AND CONCLUSIONS OF LAW

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Table 1 – 2010 Decennial Census Total Population Demographics for Virginia Beach

Demographic	Population No. (%)
Non-Hispanic white	282,470 (64.5%)
Non-Hispanic Black/African American	83,210 (19.0%)
Hispanic/Latino	28,987 (6.6%)
Non-Hispanic Asian	26,312 (6.0%)
Non-Hispanic “Two or More Races”	14,201 (3.2%)
Total Population	437,994 (100%)

P-0161 at 3, P-0075 at 8, DTX 132 at 1.

Table 2 – Total Population Demographic Estimates for Virginia Beach using ACS 5 Year Estimates (2014-2018)

Demographic	Population No. (%)
Non-Hispanic white	279,0288 (62.0%)
Non-Hispanic Black/African American	83,234 (18.5%)
Hispanic/Latino	36,043 (8.0%)
Non-Hispanic Asian	29,330 (6.5%)
Non-Hispanic “Two or More Races”	20,264 (4.5%)
Total Population	450,135 (100%)

P-0164 at 3, DTX 132 at 4.

Table 3 – Total Population Demographic Estimates for Virginia Beach using ACS 5 Year Estimates 2013-2017

Demographic	Population No. (%)
Non-Hispanic white	281,070 (62.5%)
Non-Hispanic Black/African American	82,987 (18.4%)
Hispanic/Latino	32,255 (7.8%)
Non-Hispanic Asian	29,055 (6.5%)
Non-Hispanic “Two or More Races”	19,655 (4.4%)
Total Population	450,057 (100%)

P-0163 at 3, DTX 132 at 6.

Table 4 – Total Population by Major Race/Ethnicity (1990-2017) for Virginia Beach

	1990	2000	2010	5Yr ACS 13-17 MP2015[^]	2017^{**}
Total Pop	393,069	425,257	437,994	450,055	450,435
Hispanic	12,137	17,770	28,987	35,255	36,723
White	309,712	295,402	282,470	281,675	277,338
Black	53,720	79,092	83,210	83,290	82,181
Asian	15,920	20,618	26,312	29,330	29,735
HBA[*]	81,777	117,480	138,509	147,875	148,639
	1990%	2000%	2010%	5Yr ACS 13-17 MP2015%[^]	2017%^{**}
Hispanic%	3.09%	4.18%	6.62%	7.83%	8.15%
White%	78.79%	69.46%	64.49%	62.59%	61.57%
Black%	13.67%	18.60%	19.00%	18.51%	18.24%
Asian%	4.05%	4.85%	6.01%	6.52%	6.60%
HBA[*]%	20.80%	27.63%	31.62%	32.86%	33.00%

Note: Race categories are Alone (Single Race) Not Hispanic categories

* HBA = Hispanic or Latino, Black and Asian combined

** 2017 1-Year ACS Data

[^] 5Yr ACS1317 MP2015 – 5Yr 2013-2017 ACS with a midpoint of 2015

P-0075 at 8.

Table 5 – VAP by Major Race/Ethnicity (1990 – 2017) for Virginia Beach

	1990	2000	2010	MP2015 5Yr ACS 13-17[^]	2017**
VAP	283,182	308,369	332,745	334,565	341,027
WhiteVAP	227,727	222,538	224,188	225,285	223,852
HispVAP	7,933	11,274	18,765	19,215	25,630
BlackVAP	35,811	52,283	60,212	60,145	65,558
AsianVAP	10,675	15,828	20,978	21,810	25,815
HBAVAP	54,419	79,385	99,955	661,020	117,003
	1990%	2000%	2010%	MP2015 5Yr ACS 13-17%[^]	2017%
WhiteVAP%	80.42%	72.17%	67.38%	67.34%	65.64%
HispVAP%	2.80%	3.66%	5.64%	5.74%	7.52%
BlackVAP%	12.65%	16.95%	18.10%	17.98%	19.22%
AsianVAP%	3.77%	5.13%	6.30%	6.52%	7.57%
HBAVAP%	19.22%	25.74%	30.04%	30.24%	34.31%

Note: Race categories are Alone (Single Race) Not Hispanic categories; HBAVAP = Hispanic or Latino VAP, Black VAP and Asian VAP combined

** 2017 1 Year ACS data which includes Hispanic or Latino persons for the race categories of Black and Asian from American FactFinder. Male and Female totals were summed together to produce the total VAP for each race/ethnicity.

[^] 5Yr ACS1317 – 5Yr 2013-2017 ACS with a midpoint of 2015

Source: U.S. Census Bureau PL94-171 data for 1990, 2000, 2010; American Community Survey 2013-2017 5-Year and 2017 1-Year data.

P-0075 at 9.

Table 6 – CVAP by Major Race/Ethnicity (2000 – 2017) for Virginia Beach, VA

	2000[^]	2010MP** 2008- 2012 ACS	2015MP** 2013- 2017 ACS	2017***
CVAP	298,470	320,785	334,515	334,824
WhiteCVAP	218,685	220,845	222,635	218,891
HispCVAP	8,605	16,185	20,265	21,066
BlackCVAP	51,055	58,805	62,150	65,071
AsianCVAP	11,785	17,100	18,805	20,180
HBACVAP	71,445	92,090	101,220	106,317
	2000%[^]	2010MP** 2008- 2012 ACS%	2015MP** 2013- 2017 ACS%	2017%***
WhiteCVAP %	73.27%	68.85%	66.55%	65.37%
HispCVAP%	2.88%	5.05%	6.06%	6.29%
BlackCVAP%	17.11%	18.33%	18.58%	19.43%
AsianCVAP%	3.95%	5.33%	5.62%	6.03%
HBACVAP%	23.94%	28.71%	30.26%	31.75%

Note: Race categories are Alone (Single Race) Not Hispanic categories (excluding 2017)

[^] Using 2000 Decennial Survey Long Form Special Tabulation

* HBACVAP = Hispanic or Latino CVAP, Black CVAP and Asian CVAP combined

** 2010MP and 2015MP are the midpoints for 2008-2012 ACS 2013-2017 ACS surveys. Although, the Census Bureau dissuades the use of the midpoint to denote a specific ACS, the midpoint continues to be a halfway point for the 5 Year ACS survey average. The use of midpoints as well as the mixed-year surveys included in this table occurs to present the likely trends of the CVAP race/ethnicity categories.

*** 2017 1 Year ACS data which includes Hispanic or Latino persons for the race categories of Black and Asian

Source: U.S. Census Bureau data for 2000 (Special Tabulation) decennial census long form, 2008-2012 5Yr ACS, 2013-2017 5Yr ACS; American Community Survey 2017 1-Year data.

P-0075 at 11.

Table 7 – VAB Population of HBA Residing in >40% and >50% HBA Census Tracts

HBA% Census Tract	# CTs	Hispanic	Black	Asian	HBATotal
>40%	31	13,188	49,113	13,735	76,036
>50%	10	4,629	22,381	4,102	31,112
City Total	100	28,987	83,210	26,312	138,509
HBA% Census Tract	# CTs	Hispanic%	Black%	Asian%	HBATotal %
>40%	31	45.50%	59.02%	52.20%	54.90%
>50%	10	15.97%	26.90%	15.59%	22.46%
City Total	100	100.00%	100.00%	100.00%	100.00%

Note: HBATotal – Total Hispanic, Black, and Asian combined persons (Not Hispanic Black and Asian categories); and CT – Census Tract

Source: U.S. Census Bureau 2013-2017 5-Year ACS data using Maptitude for Redistricting Dataview Statistical Summary option

P-0075 at 17.

Table 8 – Current City Council Residency Plan Compactness Measurements

District	Reock	Polsby-Popper	Convex Hull
1	0.29	0.26	0.66
2	0.34	0.21	0.58
3	0.30	0.21	0.60
4	0.30	0.31	0.83
5	0.48	0.54	0.85
6	0.47	0.48	0.89
7	0.54	0.55	0.91

P-0075 at 22.

Table 9 – Plan 2 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	29,761	157	2,176	13,730	9,135	3,566	14,888
2	32,804	-2090	2,235	15,543	12,810	1,367	16,415
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	29,761	0.36%	7.31%	46.13%	30.69%	11.98%	50.03%
2	32,804	-	6.81%	47.38%	39.05%	4.17%	50.04%

P-0085 at 17.

Table 10 – Plan 2 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2014-2018 ACS)

District	% Dev	% HCVAP 14-18 ACS	% WCVAP 14-18 ACS	% BCVAP 14-18 ACS	% ACVAP 14-18 ACS	% HBACVAP 14-18 ACS
District 1	-0.36%	7.49%	44.02%	31.57%	12.67%	51.77%
District 2	-4.77%	7.73%	46.44%	38.58%	4.43%	50.75%

P-0084 at 6-7.

Table 11 – Plan 2 – HBA & HBA plus B/W using CVAP (2013-2017)

District	CVAP 13-17ACS	HBA CVAP 13-17ACS	HBA CVAP plus Black/White 13-17ACS
1	29,761	14,888	15,210
2	32,804	16,415	16,755
District	% CVAP 13-17ACS	% HBA CVAP 13-17ACS	% HBA CVAP plus Black/White 13-17ACS
1	29,761	50.03%	51.11%
2	32,804	50.04%	51.08%

P-0085 at 17.

Table 12 – Plan 2 – HBA & HBA plus B/W using CVAP (2014-2018 ACS)

District	% HBA CVAP plus Black/White 14-18 ACS
District 1	52.91%
District 2	51.88%

P-0084 at 7; P-0085 at 17.

Table 13 – Plan 2 – Compactness Measurements

District	Reock	Polsby-Popper	Convex Hull
1	0.36	0.31	0.67
2	0.24	0.20	0.58
3	0.43	0.46	0.79
4	0.56	0.41	0.81
5	0.38	0.41	0.85
6	0.29	0.31	0.76
7	0.53	0.56	0.86
8	0.24	0.20	0.58
9	0.41	0.40	0.81
10	0.53	0.53	0.90

P-0075 at 21.

Table 14 – Plan 2 and City Council Residency Districts Compactness Measurements

District	Reock	Polsby-Popper	Convex Hull
Plan 2 Min	0.24	0.20	0.58
Plan 2 Max	0.56	0.56	0.90
City Council Min	0.29	0.21	0.58
City Council Max	0.53	0.53	0.89

P-0075 at 22.

Table 15 – Plan 2 vs Current Residency Plan Split VTDs

Illustrative Plan District	# of Splits
1	6
2	5
3	1
4	5
5	1
6	2
7	0
8	4
9	0
10	0
Current Residency Plan District	# of Splits
1	7
2	13
3	13
4	7
5	5
6	8
7	6

P-0075 at 23.

Table 16 – Socio-economic factors considered by Mr. Fairfax when drawing Plans, using ACS 5 Year Estimates (2013-2017)

Relevance	Geographic Unit	Household median income	Over 25 year-olds with no high school diploma	Percent below poverty level	Median home value
Whole City	Virginia Beach	\$70,500	6.6%	8%	\$267,000
Majority Hispanic, Black, and Asian census tracts in District 1 of Plan 2	Census Tract 454.06, Virginia Beach	\$56,370	13.3%	8.4%	\$238,600
	Census Tract 458.09, Virginia Beach	\$68,257	6.2%	1.5%	\$199,000
	Census Tract 458.10, Virginia Beach	\$41,146	13.6%	39.0%	\$144,400
	Census Tract 460.13, Virginia Beach	\$54,414	5.8%	11.4%	\$163,000
Majority Hispanic, Black, and Asian census tracts in District 2 of Plan 2	Census Tract 402, Virginia Beach	\$46,952	14.8%	19.9%	\$124,600
	Census Tract 404.02, Virginia Beach	\$41,852	15.1%	14.9%	\$164,700
	Census Tract 406, Virginia Beach	\$53,007	4.9%	20.2%	\$153,400
	Census Tract 462.20, Virginia Beach	\$41,898	7.0%	12.3%	\$211,000
	Census Tract 462.21, Virginia Beach	\$54,076	14.2%	18.1%	\$148,300

P-0075 at 24, P-0076 at 61-77.

Table 17 – Plan 3 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	28300	-2091	2119	12609	9056	3407	14575
2	32634	-1822	2346	15004	13141	1387	16851
District	%CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	28300	-4.77%	7.49%	44.55%	32.00%	12.04%	51.50%
2	32634	-4.16%	7.19%	45.98%	40.27%	4.25%	51.64%

P-0079 at 5.

Table 18 – Plan 3 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2014-2018)

District	% Dev	% HCVAP 14-18 ACS	% WCVAP 14-18 ACS	% BCVAP 14-18 ACS	% ACVAP 14-18 ACS	% HBACVAP 14-18 ACS
District 1	-4.77%	7.67%	42.66%	32.55%	12.89%	53.07%
District 2	-4.16%	8.15%	45.20%	39.58%	4.47%	52.16%

P-0084 at 7.

Table 19 – Plan 3 – HBA & HBA plus B/W using CVAP (2013-2017 ACS)

District	% HBA CVAP plus Black/White 13-17ACS
1	52.64%
2	52.62%

P-0085 at 24. P-0080 at 3.

Table 20 Plan 3 – HBA & HBA plus B/W using CVAP (2014-18 ACS)

District	% HBA CVAP plus Black/White 14-18ACS
1	54.31%
2	53.23%

P-0085 at 24.

Table 21 – Plan 3 – Compactness Measures

	Reock	Polsby-Popper	Convex Hull
District 1	0.31	0.20	0.58
District 2	0.20	0.16	0.54

P-0080 at 5.

Table 22 – Plan 4 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	28,225	-2,118	2135	12750	8865	3405	14405
2	32,395	-1,924	2265	15025	13080	1200	16545
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	28,225	-4.84%	7.56%	45.17%	31.41%	12.06%	51.04%
2	32,395	-4.39%	6.99%	46.38%	40.38%	3.70%	51.07%

P-0080 at 10; P-0085 at 31.

Table 23 – Plan 4 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2014-2018)

District	% Dev	% HCVAP 14-18 ACS	% WCVAP 14-18 ACS	% BCVAP 14-18 ACS	% ACVAP 14-18 ACS	% HBACVAP 14-18 ACS
District 1	-4.84%	7.36%	43.10%	32.48%	12.89%	52.72%
District 2	-4.39%	8.47%	45.14%	39.55%	4.09%	52.11%

P-0084 at 6-7; P-0085 at 31.

Table 24 – Plan 4 – HBA & HBA plus B/W using CVAP (2013-17 ACS)

District	% HBA CVAP plus Black/White 13-17 ACS
1	52.15%
2	52.12%

P-0084 at 6-7; P-0085 at 31.

Table 25 – Plan 4 – HBA & HBA plus B/W using CVAP (2014-18 ACS)

District	% HBA CVAP plus Black/White 14-18 ACS
1	53.94%
2	53.25%

P-0084 at 6-7; P-0085 at 31.

Table 26 – Plan 4 – Compactness Scores

	Reock	Polsby-Popper	Convex Hull
District 1	0.32	0.21	0.61
District 2	0.20	0.15	0.49

P-0080 at 12.

Table 27 – Plan 5 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	31,584	-2,139	2,676	13,262	12,239	2,314	17,205
2	31,674	1,480	2,277	14,200	10,877	3,311	16,444
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	31,584	-4.88%	8.47%	41.99%	38.75%	7.33%	54.47%
2	31,674	-3.38%	7.19%	44.83%	34.34%	10.45%	51.92%

P-0080 at 17.

Table 28 – Plan 5 – HBA & HBA plus B/W using CVAP (2013-17 ACS)

District	% HBA CVAP plus Black/White 13-17 ACS
1	55.72%
2	52.75%

P-0079 at 7; P-0080 at 17.

Table 29 – Plan 5 – Compactness Scores

	Reock	Polsby-Popper	Convex Hull
District 1	0.14	0.14	0.49
District 2	0.12	0.12	0.41

P-0080 at 19.

Table 30 – Plan 6 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	29,761	157	2,176	13,730	9,135	3,566	14,888
2	34,338	269	2,415	16,185	13,451	1,375	17,251
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	29761	-0.36%	7.31%	46.13%	30.69%	11.98%	50.03%
2	34338	-0.61%	7.03%	47.13%	39.17%	4.0%	50.24%

P-0084 at 6 – 7; P-0085 at 18.

Table 31 – Plan 6 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2014-2018)

District	% Dev	% HCVAP 14-18 ACS	% WCVAP 14-18 ACS	% BCVAP 14-18 ACS	% ACVAP 14-18 ACS	% HBACVAP 14-18 ACS
District 1	-.36%	7.49%	44.02%	31.57%	12.67%	51.77%
District 2	0.61%	7.97%	46.22%	38.52%	4.39%	50.93%

P-0084 at 6-7; P-0085 at 18.

Table 32 – Plan 6 – HBA & HBA plus B/W using CVAP (2013-17 ACS)

District	% HBA CVAP plus Black/White 13-17 ACS
1	51.11%
2	51.23%

P-0085 at 18.

Table 33 – Plan 6 – HBA & HBA plus B/W using CVAP (2014-18 ACS)

District	% HBA CVAP plus Black/White 14-18 ACS
1	52.91%
2	52.02%

P-0084 at 6-7; P-0085 at 18.

Table 34 – Plan 6 – Compactness Scores

District	Reock	Polsby-Popper	Convex Hull
District 1	0.36	0.31	0.67
District 2	0.21	0.16	0.53

P-0085 at 19.

Table 35 Plan 7 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	28,300	-2,901	2,119	12,609	9,056	3,407	14,575
2	34,061	48	2,427	15,847	13,522	1,388	17,326
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	28300	-	7.49%	44.55%	32.00%	12.04%	51.50%
2	34061	0.11%	7.13%	46.53%	39.70%	4.08%	50.87%

P-0085 at 25.

Table 36 Plan 7 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2014-2018)

District	% Dev	% HCVAP 14-18 ACS	% WCVAP 14-18 ACS	% BCVAP 14-18 ACS	% ACVAP 14-18 ACS	% HBACVAP 14-18 ACS
District 1	-4.77%	7.67%	42.66%	32.55%	12.89%	53.07%
District 2	0.11%	8.05%	45.81%	38.94%	4.41%	51.37%

P-0084 at 6-7; P-0085 at 25.

Table 37 – Plan 7 – HBA & HBA plus B/W using CVAP (2013-17 ACS)

District	% HBA CVAP plus Black/White 13-17 ACS
1	52.64%
2	51.87%

P-0085 at 25.

Table 38 – Plan 7 – HBA & HBA plus B/W using CVAP (2014-18 ACS)

District	% HBA CVAP plus Black/White 14-18 ACS
1	54.31%
2	52.47%

P-0085 at 25.

Table 39 – Plan 7 – Compactness Scores

District	Reock	Polsby-Popper	Convex Hull
District 1	0.31	0.20	0.58
District 2	0.21	0.15	0.51

P-0085 at 26.

Table 40 – Plan 8 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	28,225	-2,118	2,135	12,750	8,865	3,405	14,405
2	34,905	704	2,645	16,305	13,805	1,250	17,700
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	28,225	-4.84%	7.56%	45.17%	31.41%	12.06%	51.04%
2	34,905	1.61%	7.58%	46.71%	39.55%	3.58%	50.71%

P-0085 at 32.

Table 41 – Plan 8 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2014-2018)

District	% Dev	% HCVAP 14-18 ACS	% WCVAP 14-18 ACS	% BCVPAP 14-18 ACS	% ACVAP 14-18 ACS	% HBACVAP 14-18 ACS
District 1	-4.84%	7.36%	43.10%	32.48%	12.89%	52.72%
District 2	1.61%	8.87%	45.91%	38.60%	3.91%	51.38%

P-0084 at 6-7; P-0085 at 32.

Table 42 – Plan 8 – HBA & HBA plus B/W using CVAP (2013-17 ACS)

District	% HBA CVAP plus Black/White 13-17 ACS
1	52.15%
2	51.68%

P-0084 at 6-7; P-0085 at 32.

Table 43 – Plan 8 – HBA & HBA plus B/W using CVAP (2014-18 ACS)

District	% HBA CVAP plus Black/White 14-18 ACS
1	53.94%
2	52.45%

P-0085 at 32.

Table 44 – Plan 8 – Compactness Scores

District	Reock	Polsby-Popper	Convex Hull
District 1	0.32	0.21	0.61
District 2	0.20	0.14	0.47

P-0085 at 33.

Table 45 – Plan 9 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	33,523	991	2,759	15,538	11,328	2,859	16,956
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	100%	2.26%	8.23%	46.35%	33.79%	8.53%	50.58%

P-0080 at 24.

Table 46 – Plan 10 – Major Race/Ethnicity, Single Race, CVAP using ACS 5 Year Estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	ACVAP 13-17ACS	HBACVAP 13-17ACS
1	30,597	-1,967	2,657	11,984	12,960	2,090	17,669
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% ACVAP 13-17ACS	% HBACVAP 13-17ACS
1	30,597	-	8.68%	39.17%	42.36%	6.83%	57.75%

P-0080 at 54.

Table 47 – Plan 10 – Hispanic, White, Black CVAP, Single Race ACS 5-Year estimates (2013-2017)

District	CVAP 13-17ACS	Dev	HCVAP 13-17ACS	WCVAP 13-17ACS	BCVAP 13-17ACS	HBCVAP 13-17ACS
1	30,597	-1967	2,657	11,984	12,960	15,617
District	% CVAP 13-17ACS	% Dev	% HCVAP 13-17ACS	% WCVAP 13-17ACS	% BCVAP 13-17ACS	% HBCVAP 13-17ACS
1	30,597	-	8.68%	39.17%	42.36%	51.04%

P-0080 at 30.

Table 48 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2008 at-large election race

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Wilson [^]	44.1	All Minority	22.0*	7.0*	8.3*
		White	57.1	59.3	58.8
Allen	34.6	All Minority	58.7*	70.8*	70.5*
		White	22.9	20.0	19.9
Strausbaugh	9.4	All Minority	5.5*	6.7*	7.6*
		White	8.7	10.5	12.2
Shuler	7.6	All Minority	9.4	10.0*	10.7*
		White	8.0	6.6	6.3
Teator	4.2	All Minority	4.4*	5.5*	5.5*
		White	3.3	3.5	3.5

[^] indicates incumbent

*p < 0.05 (All Minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 29.

Table 49 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2008 Kempsville election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Diezel [^]	48.7	All Minority	25.1*	11.3*	12.3*
		White	61.9	65.4	65.0
Jackson	27.2	All Minority	33.5*	42.0*	42.2*
		White	21.0	20.0	19.8
Flores	24.0	All Minority	22.0*	7.0*	8.3*
		White	17.8	14.6	15.3

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 29.

Table 50 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2010 Princess Anne election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Henley [^]	54.4	All Minority	38.4*	10.1*	20.2*
		White	62.9	66.9	67.1
Bullock	45.6	All Minority	61.6*	79.1*	79.9*
		White	37.1	33.1	32.0

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 27.

Table 51 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2010 at-large election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Belitto	49.4	All Minority	31.4	37.9*	44.9
		White	47.5	53.3	51.3
DeSteph [^]	44.8	All Minority	20.7*	17.9*	20.1*
		White	52.4	54.6	53.9
Moss	30.1	All Minority	17.1*	14.6*	15.8*
		White	33.6	35.8	35.5
Erb	22.5	All Minority	11.2*	10.6*	11.9*
		White	23.6	27.7	27.7
Redmond	21.4	All Minority	8.6*	0.0*	0.1*
		White	28.7	28.8	27.6
Jackson	20.3	All Minority	72.4*	80.7*	58.2*
		White	8.0	0.0	7.5
Cabiness	11.3	All Minority	38.6*	38.3*	26.7*
		White	6.1	1.3	4.5

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

An ER of 0.0 means the actual estimate was negative

P-077 at 27.

Table 52 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2011 special at-large election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Moss	37.0	All Minority	22.6*	13.0*	12.8*
		White	44.7	45.0	45.2
Free	33.2	All Minority	14.8*	9.7*	6.7*
		White	35.5	42.4	43.7
Sherrod [^]	25.9	All Minority	58.8*	70.9*	64.8*
		White	17.5	9.8	11.5

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 23.

Table 53 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2012 Kempsville election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Ross-Hammond	32.2	All Minority	55.6*	70.0*	65.7*
		White	20.1	15.4	17.0
Dale	23.2	All Minority	15.1*	7.6*	7.6*
		White	28.8	30.4	30.2
Weeks	22.5	All Minority	12.0*	5.1*	5.7*
		White	26.6	30.0	29.8
Smith	22.1	All Minority	17.3*	17.3*	17.9
		White	24.5	24.2	24.1

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 21.

Table 54 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2014 Princess Anne election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Henley [^]	76.7	All Minority	67.0*	64.4*	65.5*
		White	78.2	81.5	81.1
Burton	23.3	All Minority	33.0*	35.6*	34.3*
		White	21.8	18.5	18.9

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 19.

Table 55 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2014 Rose Hall special election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Kane	48.3	All Minority	19.7*	19.9*	22.7*
		White	56.6	60.2	59.1
Johnston	17.5	All Minority	11.3*	10.3*	10.2
		White	18.0	20.3	20.8
Browder	17.3	All Minority	17.4	18.6	19.9
		White	15.5	17.1	16.6
Cabiness	16.8	All Minority	42.6*	51.2*	37.0*
		White	9.9	2.4	6.4

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 19.

Table 56 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2014 at-large special election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Davenport	32.7	All Minority	46.9	45.9*	39.5
		White	32.1	28.1	30.0
Moss [^]	32.6	All Minority	24.8*	21.3*	21.7*
		White	35.4	36.6	36.8
Martin	26.7	All Minority	17.0*	17.1*	19.0
		White	27.2	30.0	29.3
Furman	8.1	All Minority	11.3*	15.7*	16.4*
		White	5.3	5.3	5.1

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 19.

Table 57 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2016 Kempsville election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Abbott	59.4	All Minority	37.9*	34.1*	40.6
		White	66.1	71.6	69.7
Ross-Hammond [^]	40.6	All Minority	62.1*	65.9*	59.9*
		White	33.9	28.4	30.1

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 16.

Table 58 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2016 Mayoral election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Sessoms [^]	54.3	All Minority	63.7	66.1*	66.1*
		White	52.5	48.2	47.1
Kowalewitch	19.5	All Minority	11.9*	5.8*	4.8*
		White	24.8	27.0	27.4
Weeks	18.6	All Minority	10.8*	10.1*	10.9*
		White	18.8	21.8	21.8
Furman	7.6	All Minority	13.6*	18.1*	18.1*
		White	3.9	3.0	3.0

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 16.

Table 59 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2018 Centerville election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Wooten	62.1	All Minority	75.0*	85.4*	85.5*
		White	56.5	51.1	51.0
Wray	32.1	All Minority	20.4*	8.5*	8.5*
		White	38.0	43.3	43.4
Schesventer	5.8	All Minority	5.0	6.2	6.2
		White	5.6	5.7	5.7

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-077 at 14.

Table 60 – Homogenous Precinct, Ecological Regression, and King’s Ecological Inference estimates for the 2018 at-large election

Candidate	Overall vote (%)	Demographic	HP (%)	ER (%)	EI (%)
Rouse	54.5	All Minority	72.1*	70.4*	65.9
		White	55.1	47.0	48.9
Moss [^]	45.3	All Minority	20.7*	6.6*	7.8*
		White	53.2	62.2	62.0
Oliver	45.2	All Minority	33.9*	28.6*	28.3*
		white	50.9	52.0	52.2
White	27.4	All Minority	42.5*	52.8*	52.0*
		White	19.3	16.3	16.7
Bright	17.7	All Minority	23.3*	32.0*	33.1*
		White	12.3	11.8	11.5
Hubbard	10.1	All Minority	7.6	9.6	8.1
		White	9.2	10.7	11.7

[^] indicates incumbent

*p < 0.05 (minority vs white support)

Candidates of color in gray shaded rows

** All Minority includes Hispanic, Black, Asian, and other minority groups

P-081 at 14.

Table 61 – Reconstituted Elections Analysis For Plan 2

Year / Election	Candidate	At-large		District 1		District 2	
		Total votes	Win?	Total votes	Win?	Total votes	Win?
2016 Kempsville	Abbott	59.4	✓	54.1	✓	32.4	
	Ross-Hammond*	40.6		45.9		67.6	✓
2014 Rose Hall	Kane	48.3	✓	41.8	✓	35.2	✓
	Johnston	17.5		14.8		15.4	
	Browder	17.3		18.5		17.6	
	Cabiness*	16.8		25.0		31.9	
2011 At-large (special)	Moss	37.0	✓	29.4		33.7	
	Free	33.2		27.9		23.8	
	Sherrod*	25.9		39.1	✓	38.6	✓
2010 At-large	Bellitto	49.4	✓	25.1	✓	20.0	✓
	DeSteph	44.8	✓	20.8	✓	17.1	
	Moss	30.1		12.0		13.7	
	Erb	22.5		9.0		10.2	
	Redmond	21.4		7.8		7.2	
	Jackson*	20.3		16.7		21.1	✓
	Cabiness*	11.3		8.7		10.9	
2010 Princess Anne	Henley	54.4	✓	42.1		46.8	
	Bullock*	45.6		57.9	✓	53.2	✓
2008 At-large	Wilson	44.1	✓	34.5		36.8	
	Allen*	34.6		43.2	✓	43.5	✓
Candidates of Choice of the Minority Community that win			1/7		4/7		6/7

Actual election returns are reported as “At-large” elections

* indicates candidates of color

Shaded rows indicate candidates of choice of the Minority Community

P-077 at 34.

Table 62 – Reconstituted Elections Analysis For District 1 in Plans 6, 7, and 8

Year/Election	Candidate	At-Large	Plan 6	Plan 7	Plan 8
2018 At-large	Rouse*	54.5	61.1	60.6	61.1
	Moss	45.3	33.5	32.7	33.1
	Oliver	45.2	40.6	39.6	39.9
	White	27.4	35.0	35.8	35.0
	Bright*	17.7	20.5	21.3	21.1
	Hubbard	10.1	10.2	10.0	9.9
2016 Kempsville	Abbott	59.4	54.1	53.3	53.2
	Ross-Hammond*	40.6	45.9	46.7	46.8
2014 Rose Hall	Kane	48.3	41.8	40.4	40.5
	Johnston	17.5	14.8	14.3	14.4
	Browder	17.3	18.5	18.2	18.4
	Cabiness*	16.8	25.0	27.1	26.7
2011 At-large (special)	Moss	37.0	29.4	28.5	28.8
	Free	33.2	27.9	27.7	27.8
	Sherrod*	25.9	39.1	40.1	39.7
2010 At-large	Bellitto	49.4	50.0	49.2	49.6
	DeSteph	44.8	41.6	40.6	41.0
	Moss	30.1	24.1	23.0	23.2
	Erb	22.5	18.0	17.8	18.0
	Redmond	21.4	15.6	15.6	15.4
	Jackson*	20.3	33.5	34.8	33.8
	Cabiness*	11.3	17.4	19.0	19.0
2010 Princess Anne	Henley	54.4	42.1	41.8	42.1
	Bullock	45.6	57.9	58.2	57.9
2008 At-large	Wilson	44.1	34.5	34.0	34.2
	Allen	34.6	43.2	43.7	43.5
Candidates of Choice of the Minority Community that win		2/9	5/9	5/9	5/9

Actual election returns are reported as “At-large” elections

* indicates candidates of color

Shaded rows indicate candidates of choice of the Minority Community

P-087 at 4.

Table 63 – Reconstituted Elections Analysis For District 2 in Plans 6, 7, and 8

Year/Election	Candidate	At-Large	Modified Illustrative Plan	Modified Alternative Plan 1	Modified Alternative Plan 2
2018 At-large	Rouse*	54.5	60.1	60.3	60.1
	Moss	45.3	33.2	33.1	33.9
	Oliver	45.2	44.6	43.9	43.7
	White	27.4	32.6	33.0	32.5
	Bright*	17.7	20.0	20.2	20.2
	Hubbard	10.1	9.5	9.6	9.6
2016 Kempsville	Abbott	59.4	47.3	47.1	48.3
	Ross-Hammond*	40.6	52.7	52.9	51.7
2014 Rose Hall	Kane	48.3	36.3	36.1	36.9
	Johnston	17.5	15.5	15.4	15.5
	Browder	17.3	17.8	17.8	18.0
	Cabiness*	16.8	30.4	30.8	29.5
2011 At-large (special)	Moss	37.0	33.3	33.1	34.0
	Free	33.2	24.1	23.9	24.5
	Sherrod*	25.9	38.9	39.3	37.6
2010 At-large	Bellitto	49.4	39.9	39.7	40.0
	DeSteph	44.8	34.0	33.8	34.5
	Moss	30.1	27.2	26.9	27.5
	Erb	22.5	19.6	19.5	20.6
	Redmond	21.4	14.2	14.1	14.6
	Jackson*	20.3	42.5	43.1	41.7
	Cabiness*	11.3	22.6	22.9	21.2
2010 Princess Anne	Henley	54.4	46.6	46.4	47.5
	Bullock	45.6	53.4	53.6	52.5
2008 At-large	Wilson	44.1	32.9	32.7	33.4
	Allen	34.6	47.5	47.7	46.7
Candidates of Choice of the Minority Community that win		2/9	7/9	7/9	7/9

Actual election returns are reported as “At-large” elections

* indicates candidates of color

Shaded rows indicate candidates of choice of the Minority Community

P-087 at 5.

Table 64 – Virginia Cities with More than 50,000 Population, Average Square Miles of Place of Election for City Council

TABLE 3 VIRGINIA CITIES WITH MORE THAN 50,000 POPULATION, AVERAGE SQUARE MILES OF PLACE OF ELECTION FOR CITY COUNCIL					
CITY	POPULATION US CENSUS 2018	SQ. MILES US CENSUS	METHOD OF ELECTION CITY COUNCIL	MEAN SIZE, PLACE OF ELECTION SQ. MILES	RATIO SIZE OF PLACE VA BEACH TO OTHER CITY
VIRGINIA BEACH	450,055	249	At-Large	249	NA
NORFOLK	242,827	54.1	5 Wards, 2 Superward	15.4	16.2 to 1
CHESAPEAKE	242,624	340.8	At-large, 7 Seats	340.8	.73 to 1
RICHMOND	228,783	59.8	9 Districts	6.6	37.7 to 1
NEWPORT NEWS	178,626	68.7	1 At-large (Mayor), 6 Districts	11.5	21.7 to 1
ALEXANDRIA	160,530	15	At-large, 7 Seats	15	16.6 to 1
HAMPTON	134,313	51.4	At-large, 7 Seats	51.4	4.8 to 1
PORTSMOUTH	94,632	33.7	At-large, 7 Seats	33.7	7.4 to 1
ROANOKE	94,073	250.6	At-large, 7 Seats	250.6	.99 to 1
SUFFOLK	84,572	400	7 Boroughs,	100	2.5 to 1
LYNCHBURG	82,126	49.1	4 Ward, 3 At-large	22.8	10.9 to 1
HARRISONBURG	54,033	17.4	At-large, 5 Seats	17.4	14.3 to 1
LEESBURG	53,914	12.4	At-large, 7 Seats	12.4	20.1 to 1
Sources: U.S. Census Quick Facts, Municipal websites.					

P-078 at 23.

Table 65 – Virginia Cities with More than 50,000 Population, Average Size and Population of Place of Election for City Council, Current System versus Plan 2

TABLE R4 VIRGINIA CITIES WITH MORE THAN 50,000 POPULATION, AVERAGE SIZE AND POPULATION OF PLACE OF ELECTION FOR CITY COUNCIL, CURRENT SYSTEM VERSUS PLAINTIFFS' ILLUSTRATIVE PLAN			
	Virginia Beach	Mean Other Cities	Ratio VA Beach to Others
Current Square Miles for City Council Election	249	73.1	3.4 to 1
Square Miles Plaintiff Plan	24.9	73.1	.34 to 1
Current Population for City Council Election	450,159	87,336	5.2 to 1
Population Plaintiff Plan	45,016	87,336	.52 to 1
Source: Tables 3-4, Lichtman, Initial Report, July 15, 2019.			

P-082 at 14.

Table 66 – Virginia Cities with More than 50,000 Population, Average Population of Place of Election for City Council

TABLE 4 VIRGINIA CITIES WITH MORE THAN 50,000 POPULATION, AVERAGE POPULATION OF PLACE OF ELECTION FOR CITY COUNCIL				
CITY	POPULATION US CENSUS 2018	METHOD OF ELECTION, CITY COUNCIL	AVERAGE POPULATION OF PLACE OF ELECTION	RATIO VA BEACH TO CITY POPULATION
VIRGINIA BEACH	450,189	At-Large	450,159	NA
NORFOLK	242,827	5 Wards, 2 Superwards	69,379	6.5 to 1
CHESAPEAKE	242,624	At-large, 7 Seats	242,624	1.9 to 1
RICHMOND	228,783	9 Districts	25,420	17.7 to 1
NEWPORT NEWS	178,626	1 At-large, 6 Districts	51,036	8.8 to 1
ALEXANDRIA	160,530	At-large, 7 Seats	160,530	2.8 to 1
HAMPTON	134,313	At-large, 7 Seats	134,313	3.4 to 1
PORTSMOUTH	94,632	At-large, 7 Seats	94,632	4.8 to 1
ROANOKE	94,073	At-large, 7 Seats	94,073	4.8 to 1
SUFFOLK	84,572	7 Boroughs, 1 At-large	21,143	21.3 to 1
LYNCHBURG	82,126	4 Ward, 3 At-large	46,929	9.6 to 1
HARRISONBURG	54,033	At-large, 5 Seats	54,033	8.3 to 1
LEESBURG	53,914	At-large, 7 Seats	53,914	8.3 to 1
Sources: U.S. Census Quick Facts, Municipal websites.				

P-078 at 24.

Table 67 – White City Council Candidates, Virginia Beach, with at Least \$250 in Contributions From Two or More Other Candidates, 2008-2018

TABLE 5 WHITE CITY COUNCIL CANDIDATES, VIRGINIA BEACH, WITH AT LEAST \$250 IN CONTRIBUTIONS FROM TWO OR MORE OTHER CANDIDATES, 2008 TO 2018	
CANDIDATE	OTHER CANDIDATE CONTRIBUTORS (BLACK CANDIDATES IN BOLD)
BELITTO	SESSOMS, DIEZEL, UHRIN, DAVIS
DALE	JONES, SESSOMS,
DAVIS	JONES, SESSOMS, UHRIN, WILSON, DIEZEL
DEAN	MOSS, DESTEPH,
FREE	DESTEPH, WILSON
GOLDEN	DESTEPH, MOSS
HENLEY	DAVENPORT, SESSOMS, UHRIN, JONES
JONES	SESSOMS, WILSON
KANE	SESSOMS, JONES, DAVIS, WOOD, WILSON, UHRIN
MARTIN	SESSOMS, JONES, UHRIN, WOOD, WILSON
MCCORMICK	DESTEPH, MOSS
MOSS	JONES, KOWALEWITCH, BLYTHE, DEAN, WORST
REDMOND	SESSOMS, UHRIN,
SESSOMS	UHRIN, OLIVER, BRIGHT , KANE, MARTIN, SHERROD ,
UHRIN	SESSOMS, DAVENPORT, WILSON, DAVIS
WILSON	JONES, DAVENPORT, WOOD, DAVIS, SESSOMS, JONES, UHRIN
WOOD	DAVENPORT, UHRIN, SESSOMS, SHERROD , DIEZEL
Source: Virginia Public Access Project, "Money," https://www.vpap.org/money/ .	

P-078 at 26.

Table 68 – Black City Council Candidates, Virginia Beach, with at Least \$250 in Contributions from Two or More Other Candidates, 2008 – 2018

TABLE 6 BLACK CITY COUNCIL CANDIDATES, VIRGINIA BEACH, WITH AT LEAST \$250 IN CONTRIBUTIONS FROM TWO OR MORE OTHER CANDIDATES, 2008 TO 2018	
CANDIDATE	OTHER CANDIDATE CONTRIBUTORS (BLACK CANDIDATES IN BOLD)
ROSS-HAMMOND	SESSOMS, JONES, BRIGHT , DIEZEL, UHRIN, DAVENPORT *
WOOTEN	SESSOMS, WILSON, DAVENPORT
* Contributions from 2016 when Ross-Hammond was elected incumbent.	
Source: Virginia Public Access Project, “Money,” https://www.vpap.org/money/ .	

P-078 at 27.

Table 69 – Intra-Election Contributions to Candidates, City Council, Virginia Beach 2008-2018

TABLE R5 INTRA-ELECTION CONTRIBUTIONS TO CANDIDATES, CITY COUNCIL, VIRGINIA BEACH, 2008-2018		
Candidate	Contributors & Amount	Total
Bellitto (W) 2010	Uhrin \$500	\$500
Dale (W) 2012	Sessoms \$1,000	\$1,000
Davis (W) 2008, 2012	Sessoms, \$500, Wilson \$1,000	\$1,500
Diezel (W) 2008	Wilson \$250	
Henley 2010, 2014, 2018	Davenport, \$9,500, Jones, \$1,000, Uhrin, \$1,500	\$12,000
Kane (W) 2014	Jones, \$4,000, Uhrin \$1,500, Wood, \$350	\$5,850
Martin (W) 2014, 2018	Jones, \$2,000, Uhrin, \$1,000	\$3,000
Moss (W) 2010, 2014, 2018	Jones, \$5,000, Worst, \$250	\$5,250
Redmond (W) 2010	Uhrin, \$8,500	\$8,500
Rouse (B) 2018	Davenport \$1,500	\$1,500
Ross-Hammond (B) 2012, 2016	Sessoms, \$11,500	\$11,500
Uhrin (W) 2010, 2014, 2018	Davenport, \$2,000	\$2,000
Wilson (W) 2008, 2012, 2016	Sessoms, \$1,250, Davis \$1,325	\$2,575
Wood (W) 2010, 2014, 2018	Davenport \$2,000, Uhrin \$1,000, Redmond \$250	\$3,250
Wooten (B) 2018	Davenport \$8,000	\$8,000
Sources: Source: Virginia Beach, Election Information & Results, https://www.vbgov.com/government/departments/voter-registrar/elections/pages/default.aspx ; Virginia Public Access Project, VPAP.org.		

P-082 at 16.

Table 70 – Economic Measures by Race, Virginia Beach, US Census, American Community Survey, 2011-2015

TABLE 7 ECONOMIC MEASURES BY RACE VIRGINIA BEACH, US CENSUS, AMERICAN COMMUNITY SURVEY, 2011-2015				
MEASURE	BLACK	HISPANIC	ASIAN	WHITE
MEDIAN HOUSEHOLD INCOME	\$51,559	\$54,825	\$72,001	\$71,948
PER CAPITA INCOME	\$22,773	\$20,784	\$26,512	\$37,443
POVERTY RATE FOR PERSONS INDIVIDUALS	14.4%	14.2%	7.4%	5.8%
UNEMPLOYMENT RATE	9.2%	8.8%	4.6%	5.0%
% WITH FOOD STAMPS/SNAP	15.9%	10.9%	5.5%	4.1%
18-64 NO HEALTH INSURANCE	17.1%	24.5%	15.7%	11.6%

P-078 at 29.

Table 71 – Housing Characteristics by Race, Virginia Beach, 2011-2015 US Census, American Community Survey

TABLE 9 HOUSING CHARACTERISTICS BY RACE, VIRGINIA BEACH, 2011-2015 US CENSUS, AMERICAN COMMUNITY SURVEY				
MEASURE	BLACK	HISPANIC	ASIAN	WHITE
PERCENT OWNER OCCUPIED	44.9%	46.1%	69.4%	69.5%
MEDIAN HOME VALUE	\$218,100	\$231,400	\$253,400	\$273,700
PERCENT WITH NO VEHICLE	8.3%	2.7%	2.0%	3.2%

P-078 at 36.

Table 72 – Education Measures by Race, Virginia Beach

TABLE 8 EDUCATION MEASURES BY RACE VIRGINIA BEACH				
MEASURE	BLACK	HISPANIC	ASIAN	WHITE
HIGH SCHOOL GRADUATES	89.4%	88.7%	91.8%	95.0%
BACHELOR'S DEGREE OR MORE	25.3%	21.8%	41.6%	36.4%
PASS: ENGLISH READING	74%	84%	91%	91%
PASS: ENGLISH WRITING	68%	81%	90%	89%
PASS: SCIENCE	69%	82%	94%	92%
PASS: MATH	70%	81%	94%	88%
Sources: Us Census, American Community Survey, 2011-2015; Virginia State Board of Education, SOL Test Results, 2017-2018, http://www.doe.virginia.gov/statistics_reports/sol-pass-rates/index.shtml .				

P-078 at 33.

Table 73 – Ecological Regression Estimates of Black & White Turnout, Virginia Beach, 2016-2018 and White 90%+ CVAP Precincts

TABLE R9 ECOLOGICAL REGRESSION ESTIMATES OF BLACK & WHITE TURNOUT, VIRGINIA BEACH, 2016-2018 AND WHITE 90%+ CVAP PRECINCTS				
Election	% White CVAP Turning Out	% Black CVAP Turning Out	Difference	Percent Turning Out in 90%+ White CVAP Precincts
2018	61%	29%	+32 Percentage Points	65%
2016	66%	30%	+36 Percentage Points	70%
Source: Data disclosure of Dr. Quentin Kidd.				

P-082 at 31.

Table 74 – Campaign Contact for African Americans and Hispanics in Virginia, 2010-2016 General Elections

TABLE R7 CAMPAIGN CONTACT FOR AFRICAN AMERICANS AND HISPANICS IN VIRGINIA, 2010-2016 GENERAL ELECTIONS			
Group	# Contacted	Total # of Respondents	% Contacted
Black	438	741	59.1%
Hispanic	97	207	46.9%
Source: Cooperative Congressional Election Study (CCES), 2010, 2012, 2014, 2016, https://cces.gov.harvard.edu/ .			

P-082 at 22.

Table 75 – Summary Table, Contributions to White & Black City Council Candidates, 5 Major White Donors, Virginia Beach, 2008-2018

TABLE 13				
SUMMARY TABLE, CONTRIBUTIONS TO WHITE & BLACK CITY COUNCIL CANDIDATES, 5 MAJOR WHITE DONORS, VIRGINIA BEACH, 2008-2018				
ALL CANDIDATES				
MEASURE	WHITE CANDIDATES	BLACK CANDIDATES	PERCENT WHITE	PERCENT BLACK
# of Candidates With Contributions	18	4	82%	18%
Amount of Contributions	\$321,250	\$50,500	86%	14%
BLACK CANDIDATES ONLY				
	ROSS & WOOTEN	SHERROD & ROSS-HAMMOND	PERCENT ROSS & WOOTEN	PERCENT SHERROD & ROSS-HAMMOND
Amount of Contributions	\$36,500	\$14,000	72%	28%
Source: Table 12.				

P-078 at 52.

Table 76 – Comparison of Percent of Minorities on Beach Police Force Compared to Percent in Adult Population, Virginia Beach

TABLE 17 COMPARISON OF PERCENT OF MINORITIES ON BEACH POLICE FORCE COMPARED TO PERCENT IN ADULT POPULATION, VIRGINIA BEACH				
	% POLICE FORCE	% ADULT POPULATION	PERCENTAGE POINT DIFFERENCE	PERCENT DIFFERENCE
MINORITY GROUP				
ALL	15.5%	32.6%	-17.1 Percentage Points	52 Percent Lower
BLACK	9.4%	18.9%	-9.5 Percentage Points	50 Percent Lower
HISPANIC	3.3%	5.6%	-2.3 Percentage Points	41 Percent Lower
ASIAN	2.2%	7.2%	-5 Percentage Points	69 Percent Lower
Source: “Diversity on the Force: Where Police Don’t Mirror Communities,” <i>Governing</i> , September 2015, p. 12, https://media.governing.com/documents/policediversityreport.pdf ; U.S. of Population, 2010 Complete Enumeration.				

P-078 at 64.

Table 77 – Plan 2 to Plan 10 – Minority Community Voting Age Population using 2010 Census

Plan	District	HBAVAP
Plan 2	District 1	51.03%
	District 2	49.24%
Plan 3	District 1	51.07%
	District 2	50.08%
Plan 4	District 1	51.02%
	District 2	50.13%
Plan 5	District 1	54.05%
	District 2	51.32%
Plan 6	District 1	48.36%
Plan 7	District 1	56.54%
Plan 8	District 1	51.03%
	District 2	49.08%
Plan 9	District 1	51.07%
	District 2	49.92%
Plan 10	District 1	51.02%
	District 2	48.80%

P-080 at 27, 34, 41, 48, 54; P-0085 29-44.

Figure 1 – Distribution of Hispanic population in the City’s majority minority census tracts, using ACS 5 Year Estimates (2013-2017)

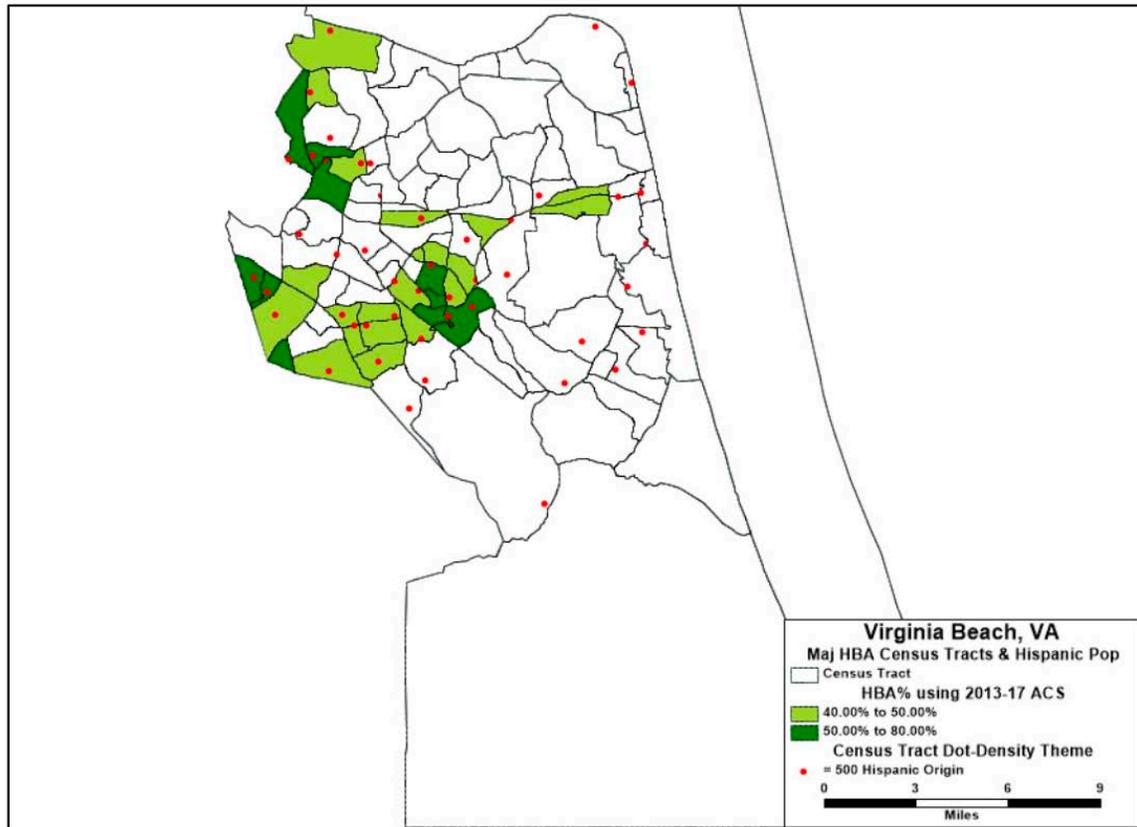


Figure 4 – Virginia Beach, VA Maj. HBA (Total Race) Census Tracts (with Hispanic Dot Density Points using 2013-2017 5Yr ACS)

P-0075 at 15

Figure 2 – Distribution of Black population in the City’s majority minority census tracts, using ACS 5 Year Estimates (2013-2017)

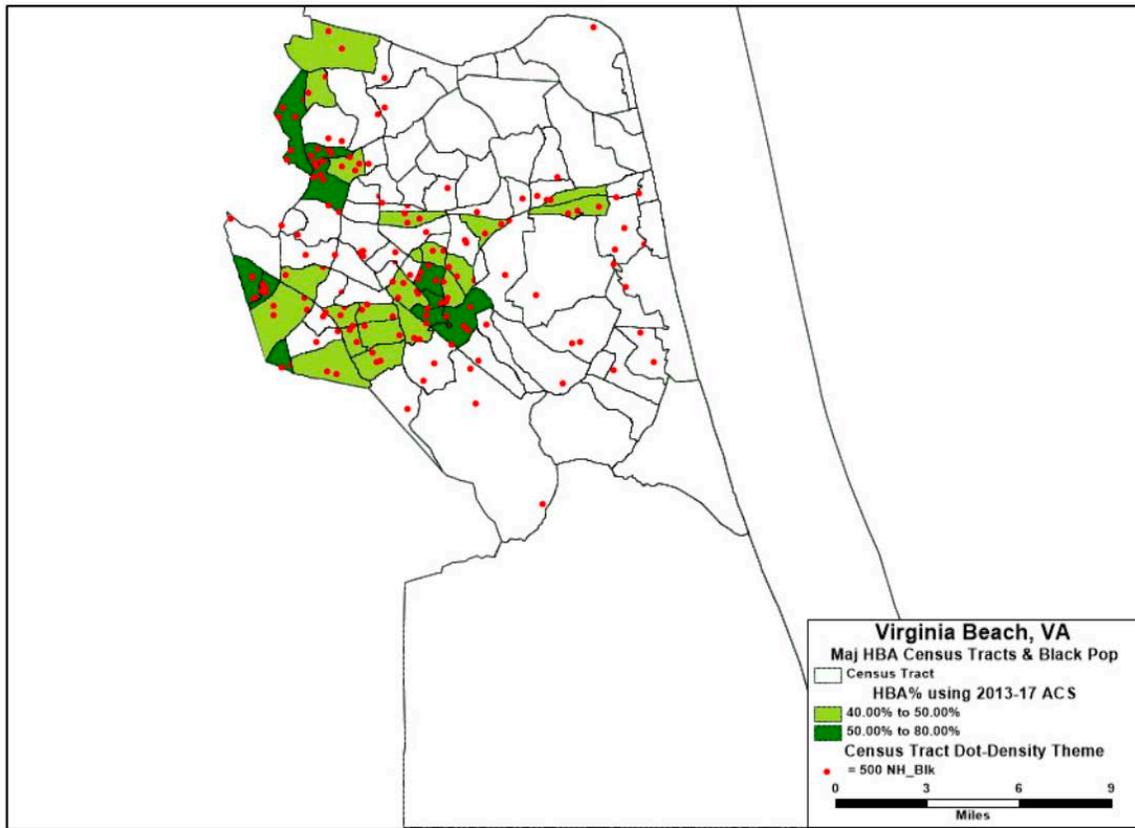


Figure 5 – Virginia Beach, VA Maj. HBA (Total Race) Census Tracts (with Black Dot Density Points using 2013-2017 5Yr ACS)

Figure 3 – Distribution of Asian population in the City’s majority minority census tracts, using ACS 5 Year Estimates (2013-2017)

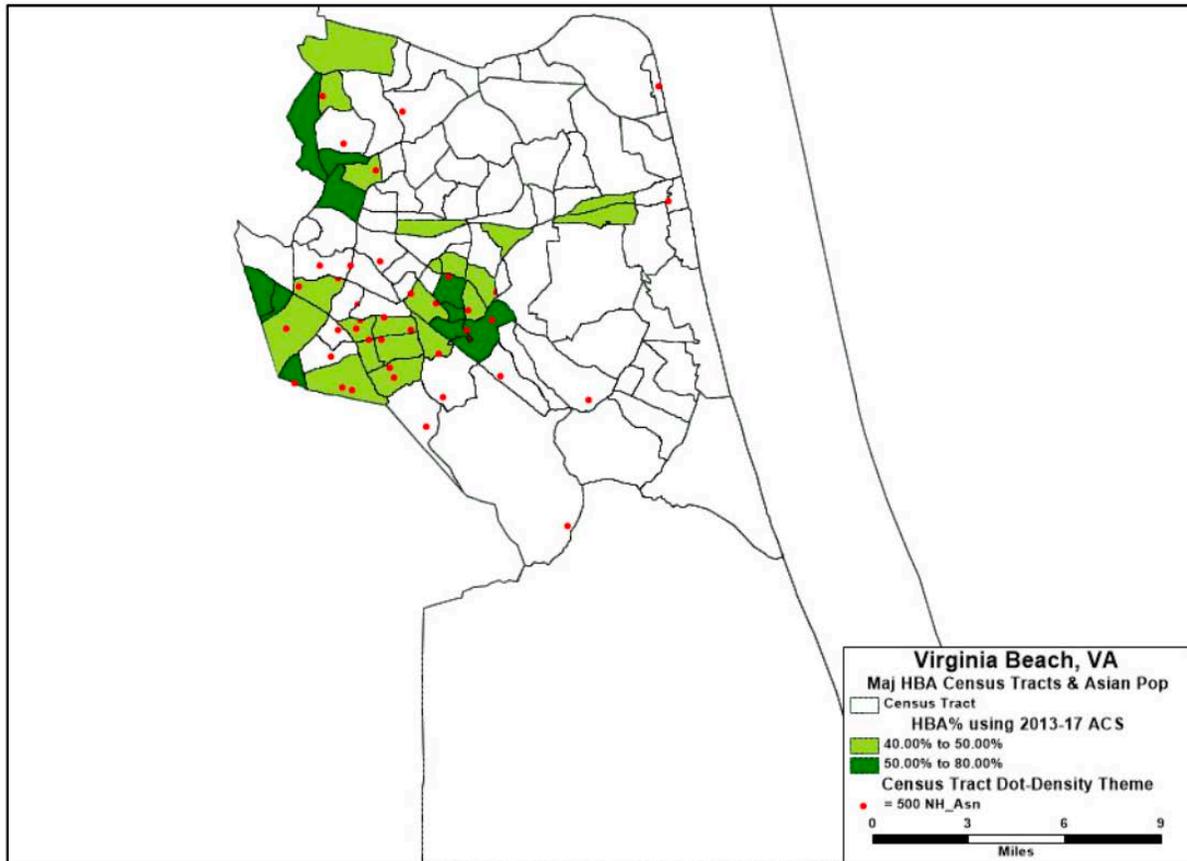
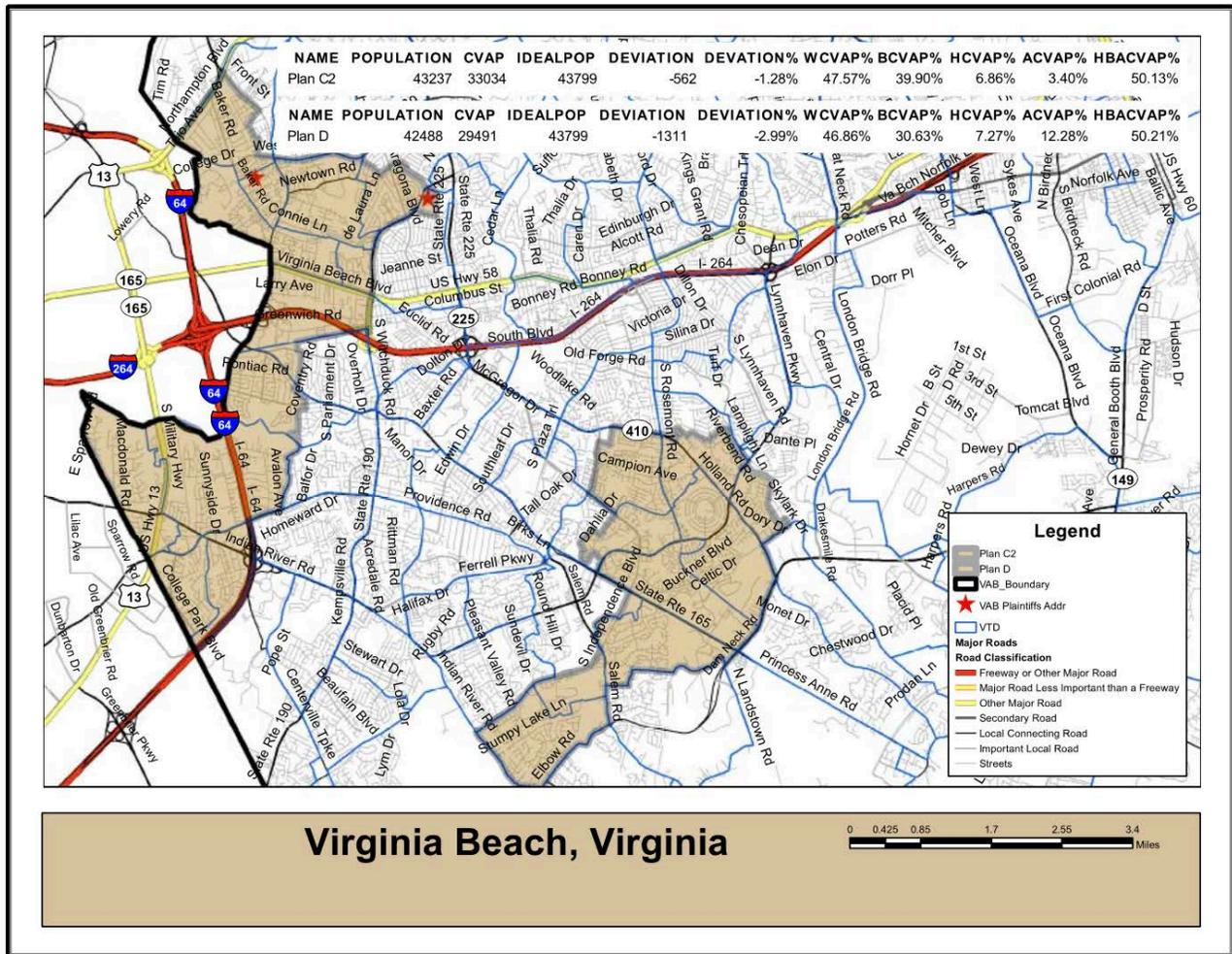


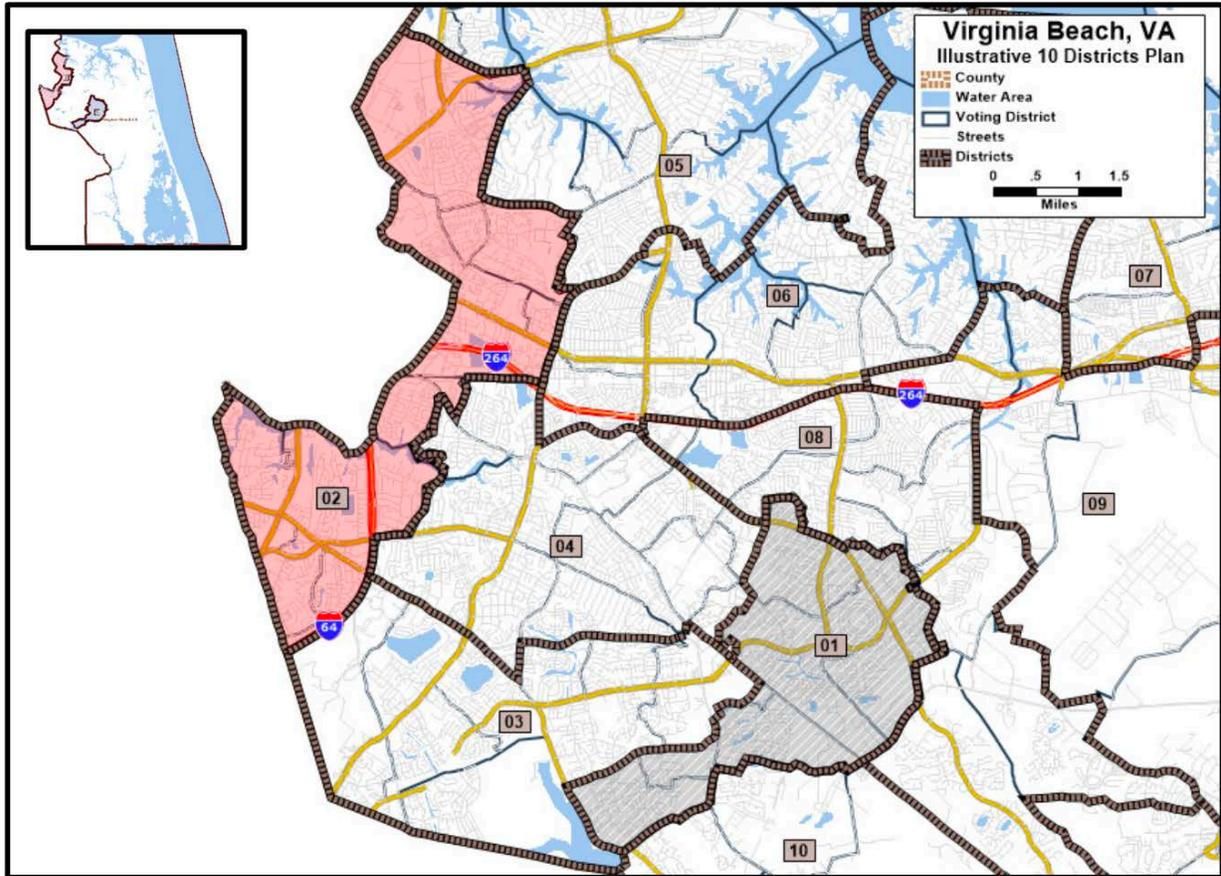
Figure 6 – Virginia Beach, VA Maj. HBA (Total Race) Census Tracts (with Asian Dot Density Points using 2013-2017 5Yr ACS)

Figure 4 – Map 1 – Appendix A, Plaintiffs’ Amended Complaint



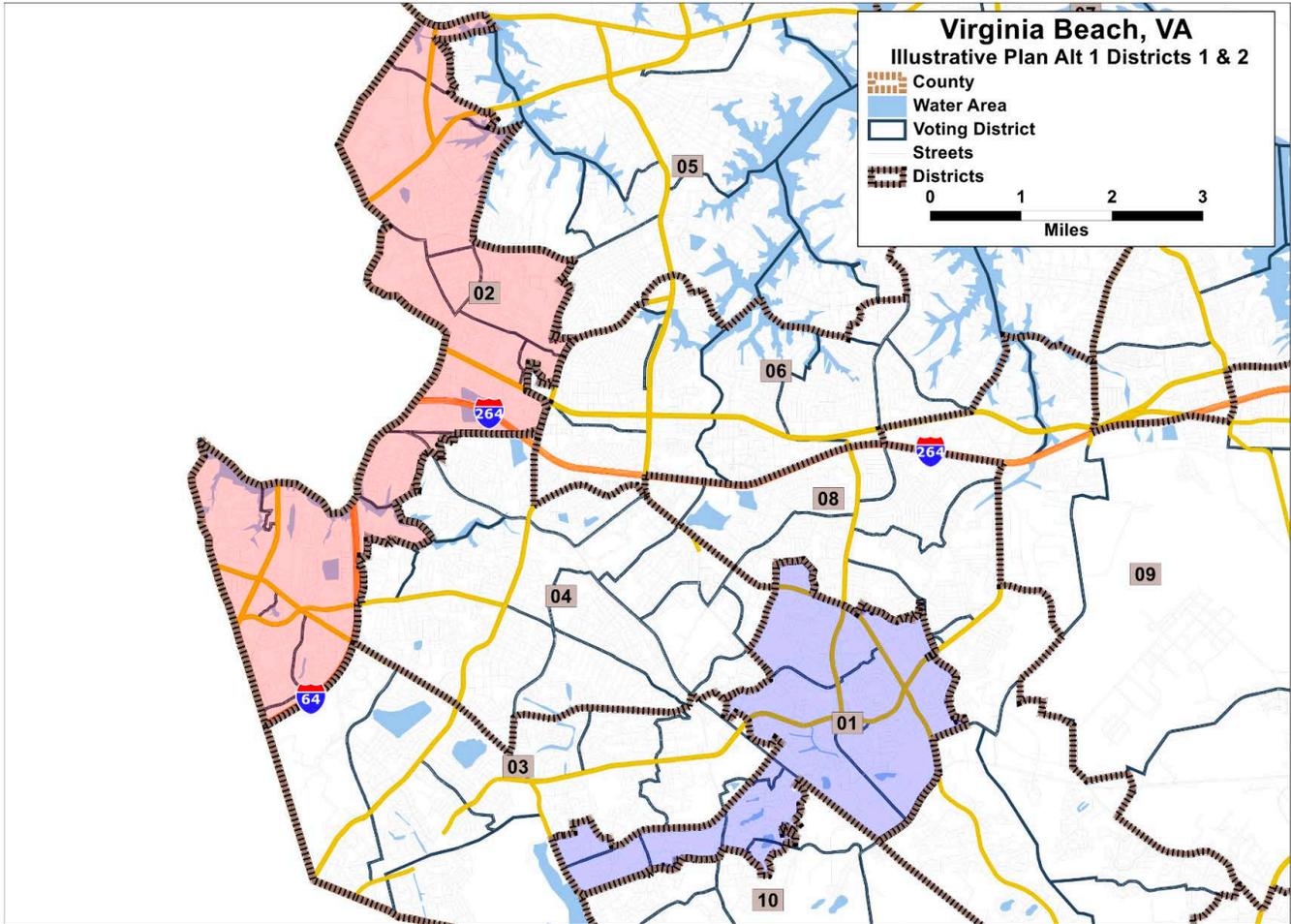
ECF No. 62 at 18.

Figure 5 – Plan 2 – Plaintiffs’ Illustrative Plan



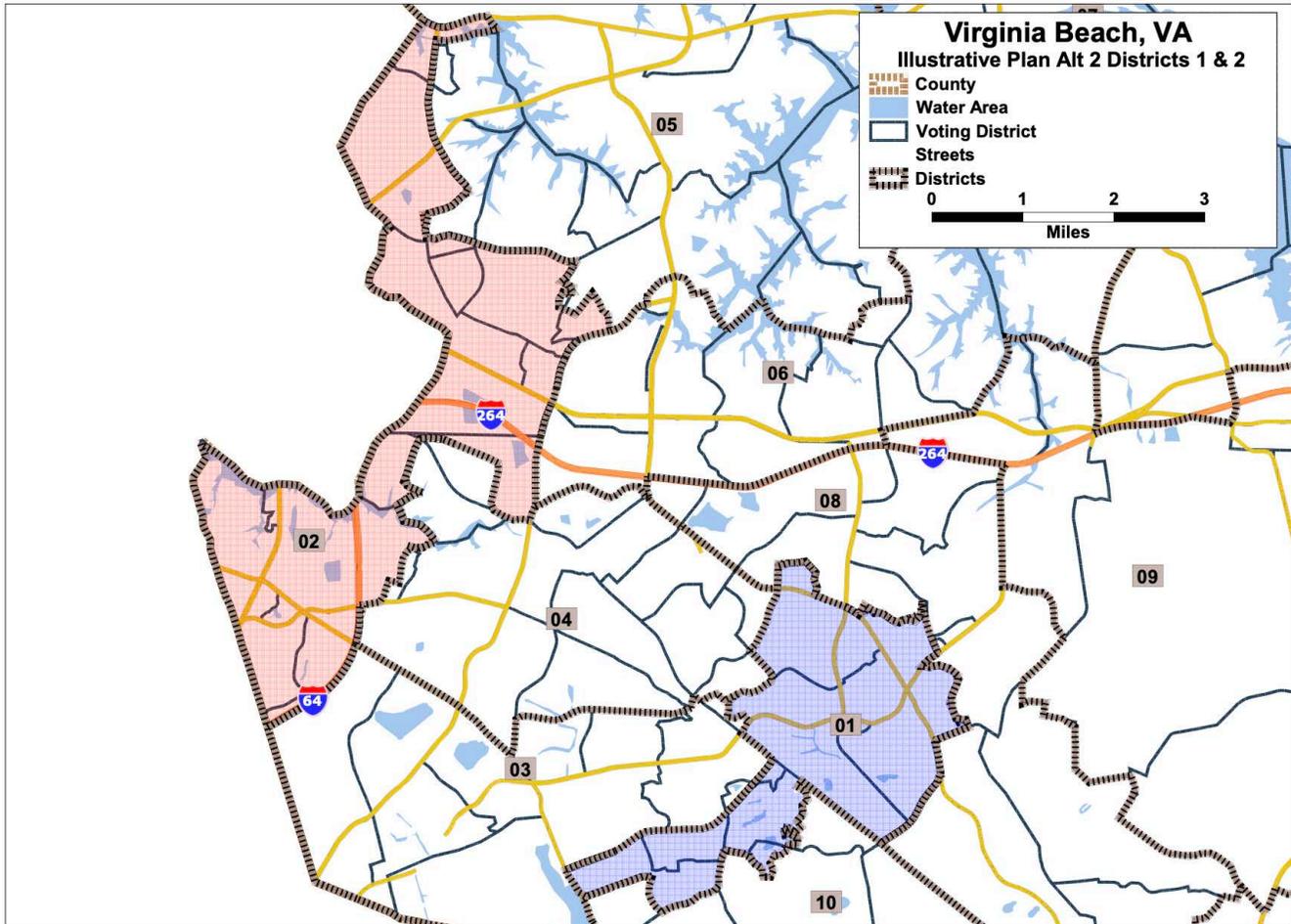
P-0075 at 20

Figure 6 – Plan 3 – Plaintiffs’ Illustrative Alternative 1



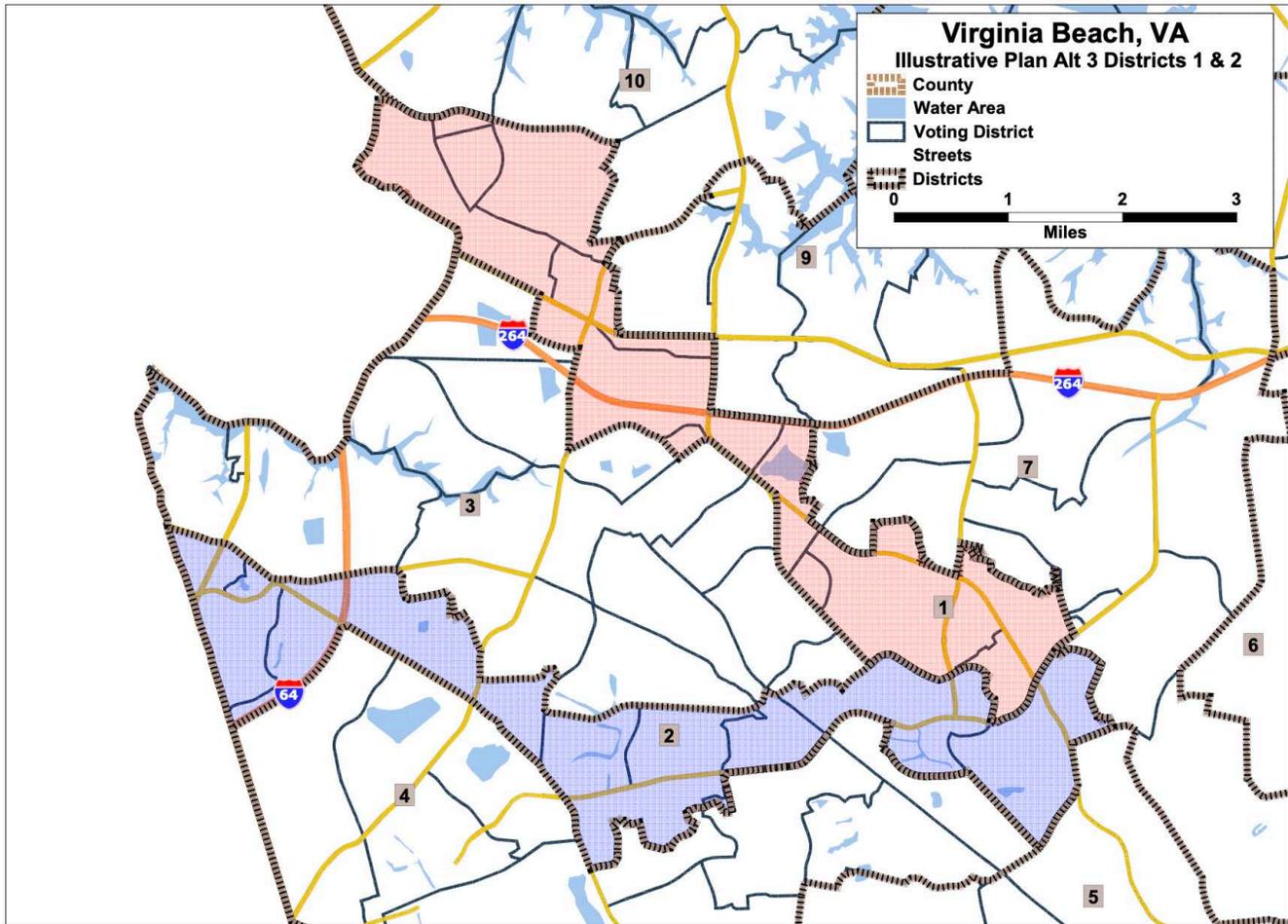
P-0080 at 2.

Figure 7 – Plan 4 – Plaintiffs’ Illustrative Alternative 2 Plan



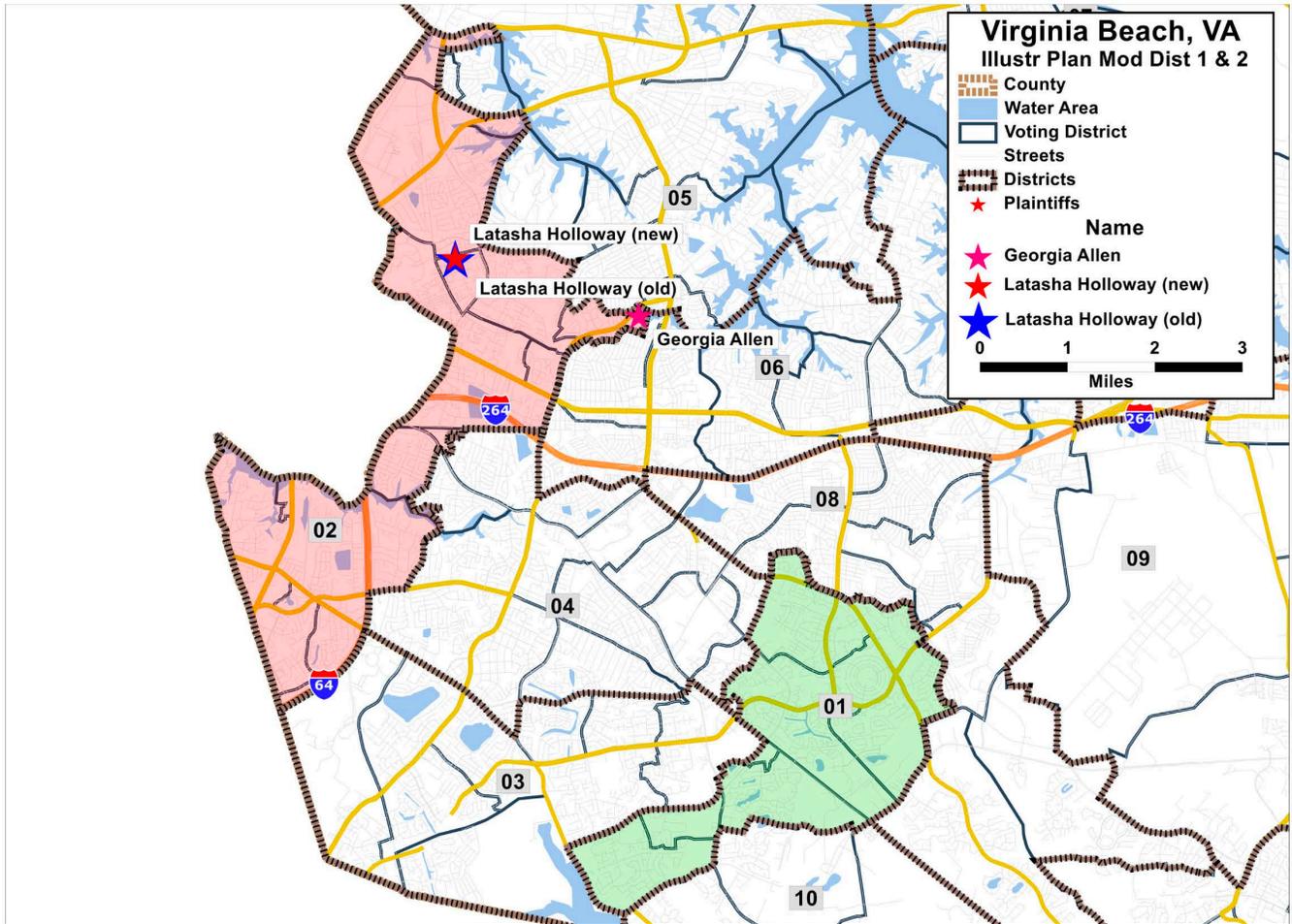
P-0080 at 9.

Figure 8 – Plan 5 – Plaintiffs’ Illustrative Alternative 3 Plan



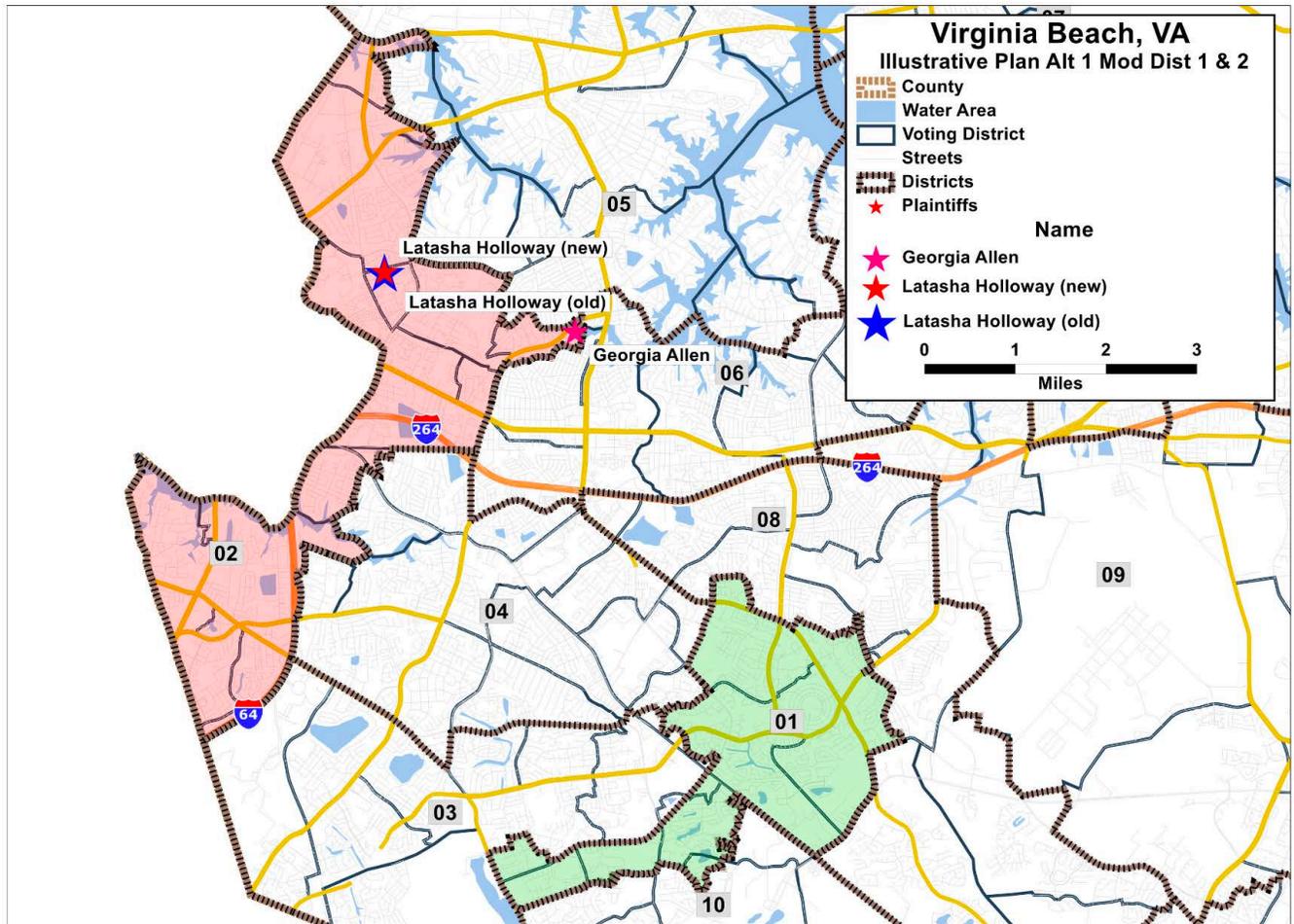
P-0080 at 16.

Figure 9 – Plan 6 – Plaintiffs’ Modified Illustrative Plan



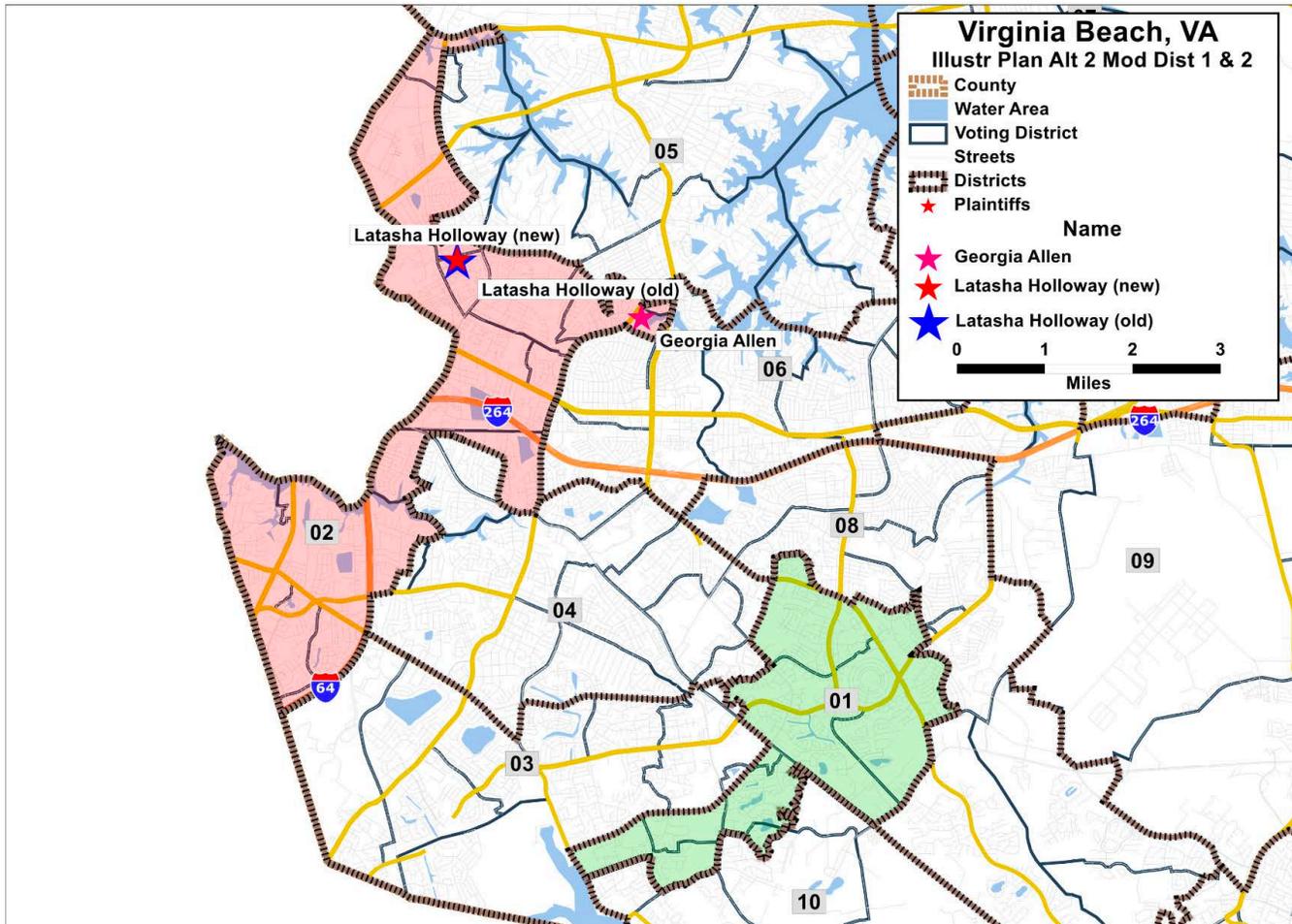
P-0085 at 15.

Figure 10 – Plan 7 – Plaintiffs’ Modified Illustrative Alternative 1



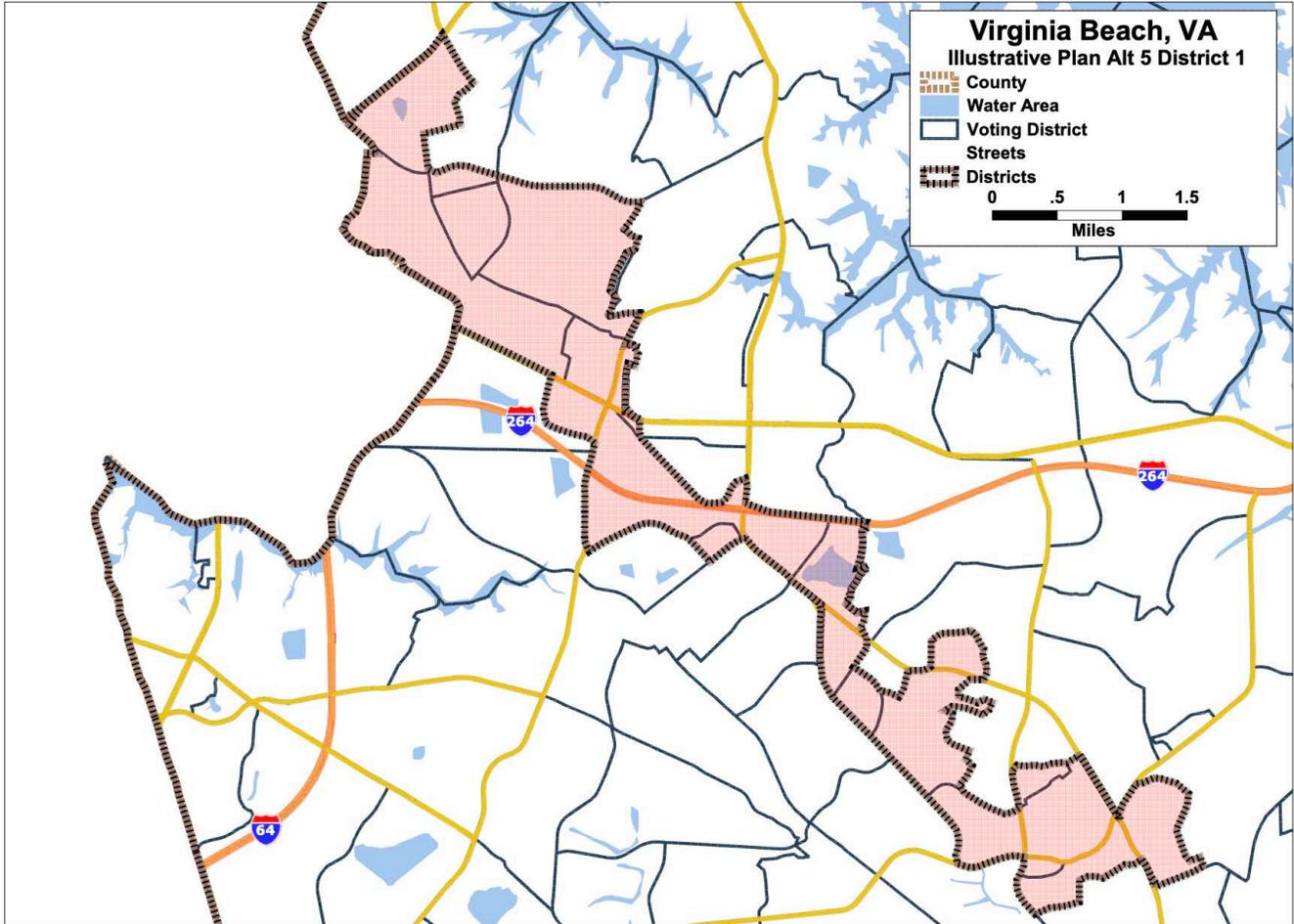
P-0085 at 22.

Figure 11 – Plan 8 – Plaintiffs’ Modified Illustrative Alternative 2 Plan



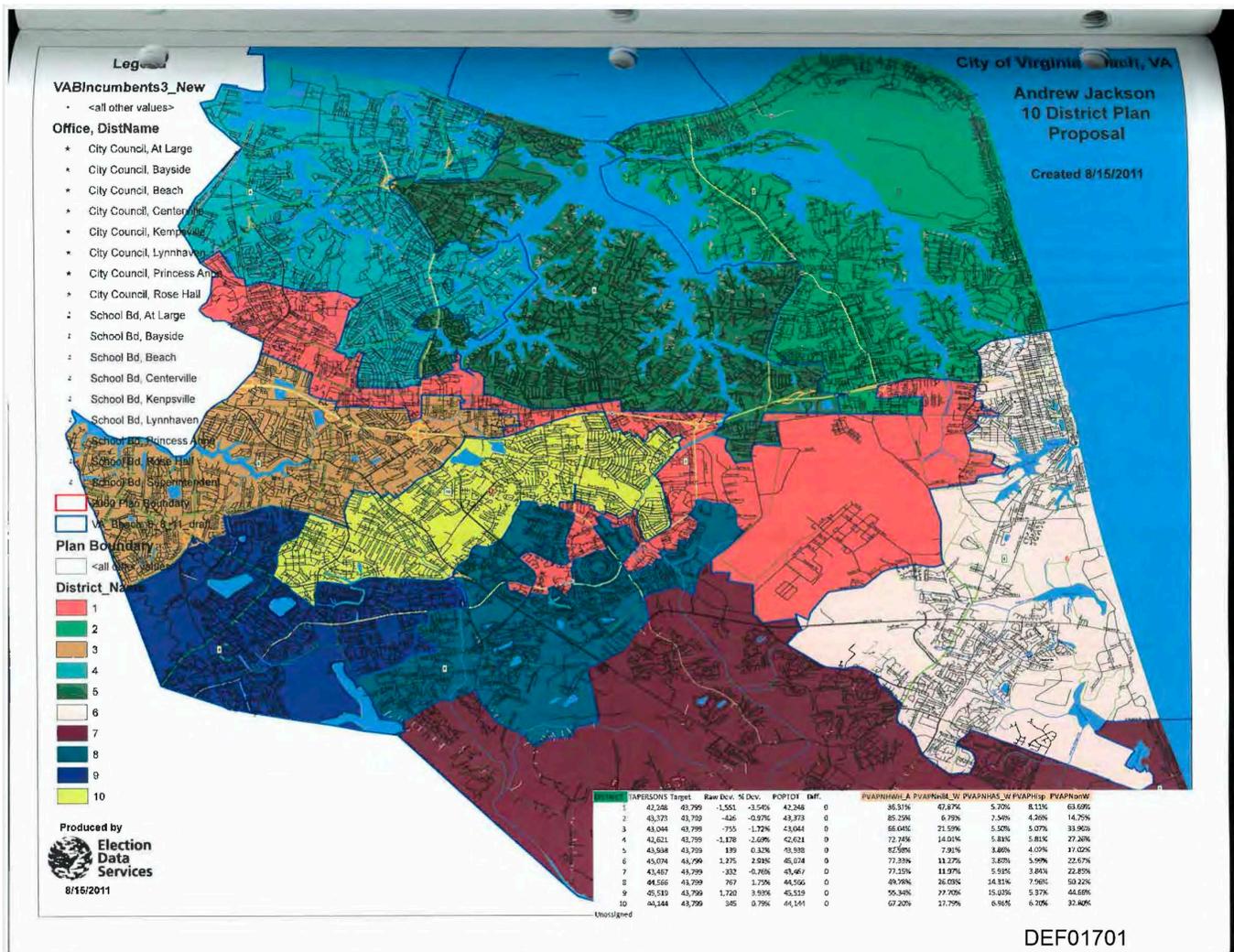
P-0085 at 29.

Figure 13 – Plan 10 – Plaintiffs’ Illustrative Alternative 5



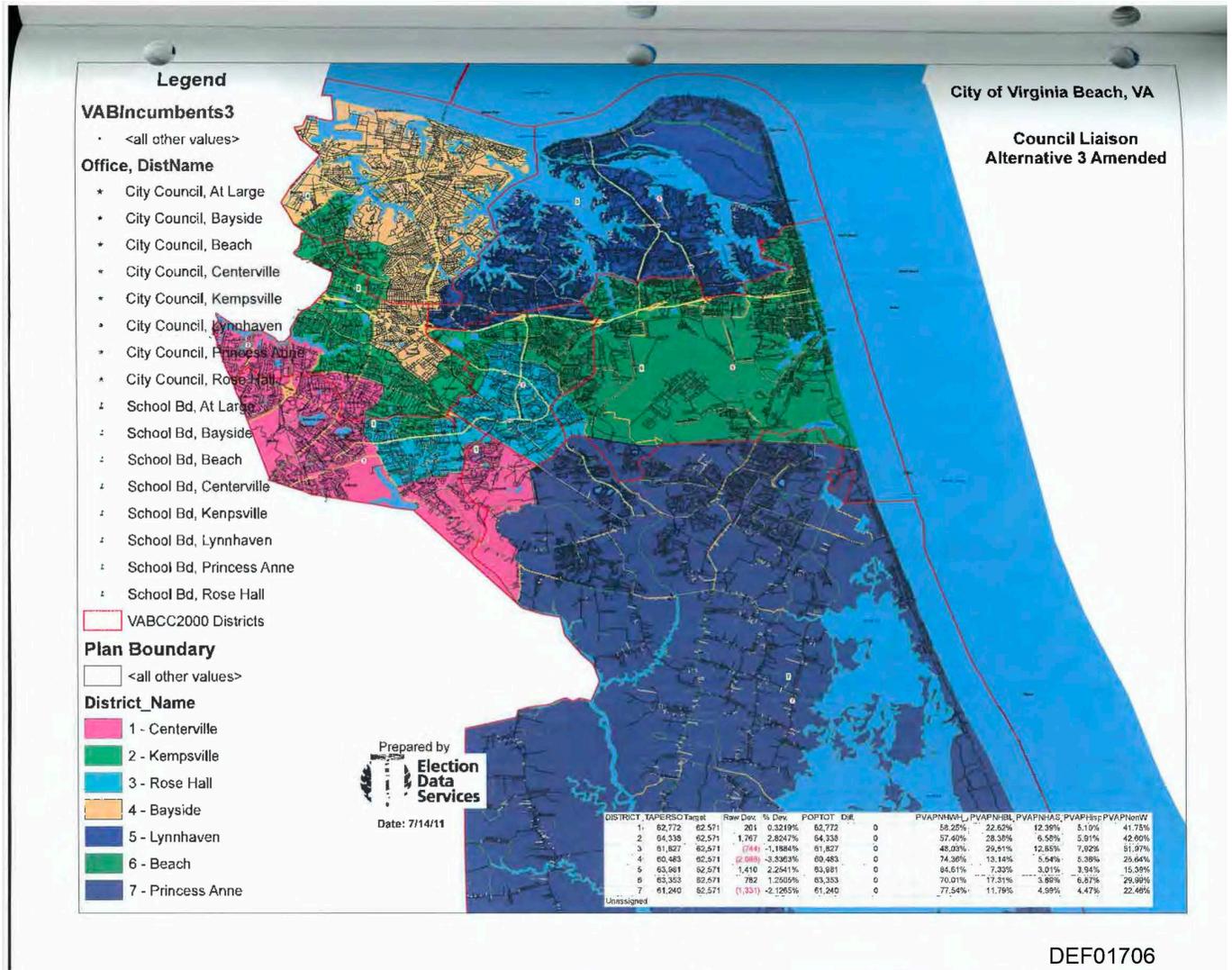
P-0080 at 29.

Figure 14 – Andrew Jackson 10-district Plan, with demographic data



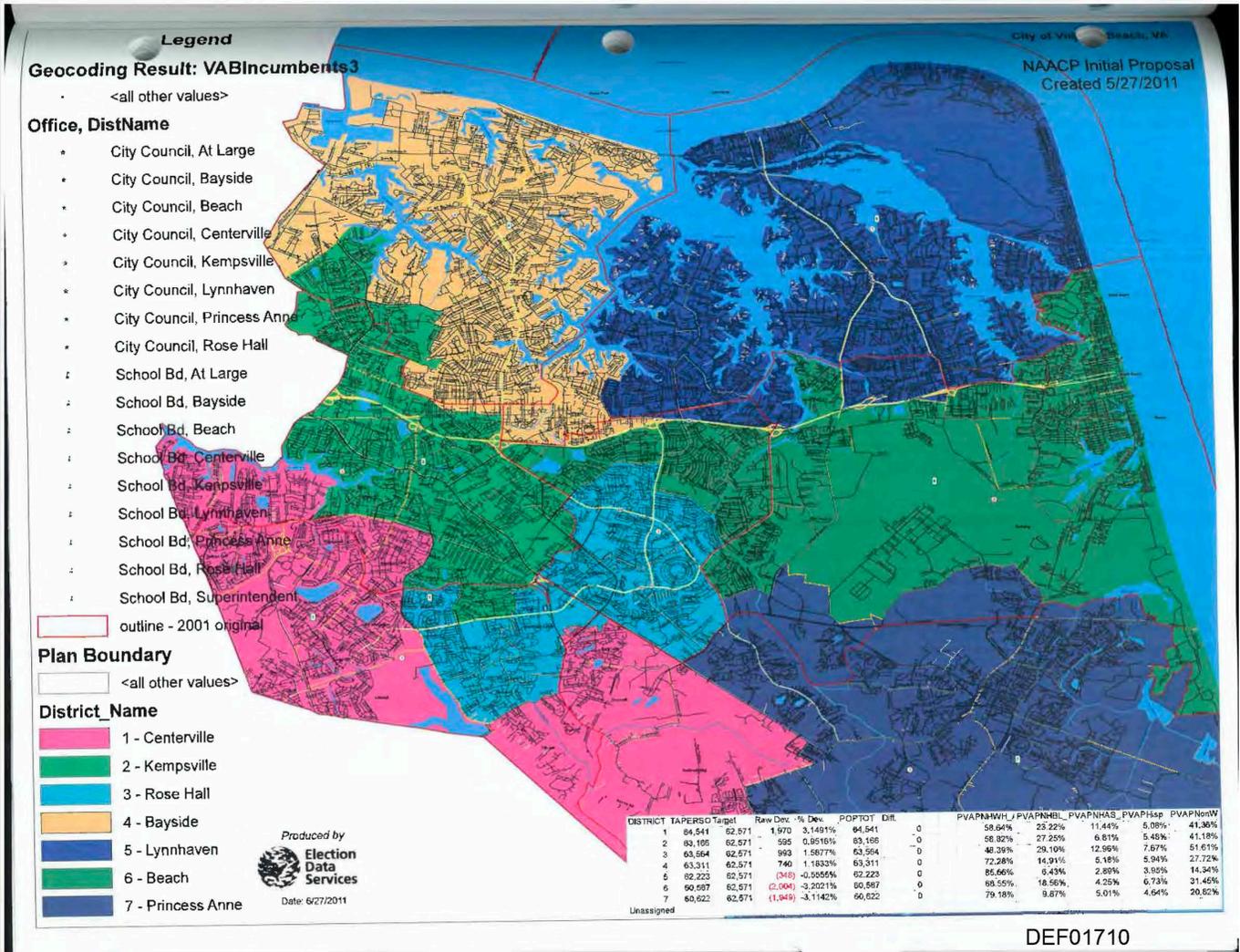
DTX011 at 285.

Figure 15 – Council Liaison Alt 3 Amended Plan 2011



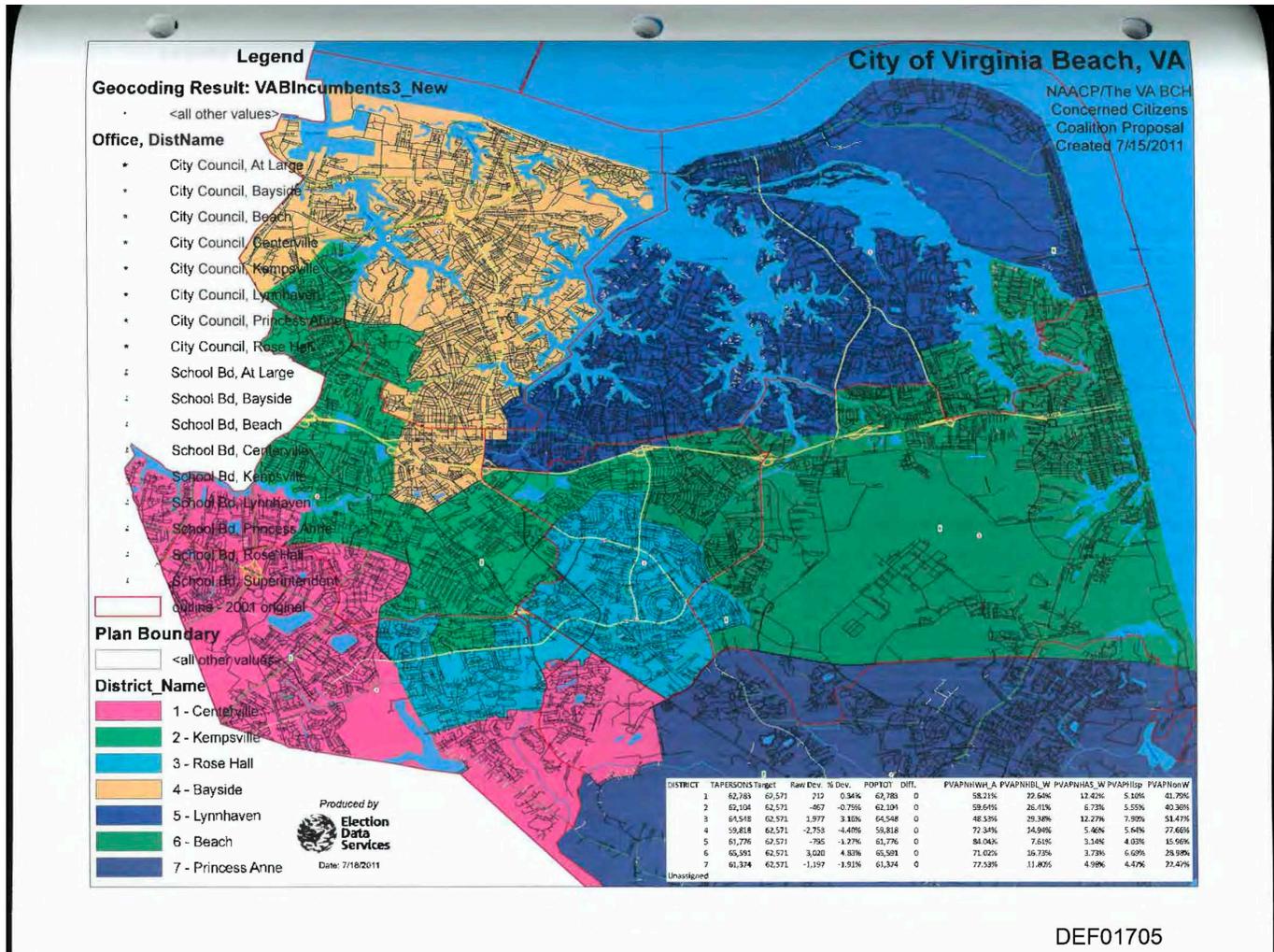
DTX011 at 290.

Figure 16 – The NAACP Initial Proposal Plan 2011



DTX011 at 294.

Figure 17 – NAACP/Virginia Beach Concerned Citizens Coalition Proposed Plan



DEF01705

DTX011 at 289.

Figure 18 – Loudon County Republican Party Halloween Emailed Image, 2011

Loudon County Republican Party Halloween Emailed Image, 2011
(Source Politico, 1 November 2011)



P-0078 at 40.

Figure 19 – Flier Circulated During 2008 Campaign for Mayor in Virginia Beach

Picture 1: Flier Circulated During 2008 Campaign for Mayor in Virginia Beach



P-0082 at 34.

Figure 20 – Flier Circulated During 2008 Campaign for Mayor in Virginia Beach

Picture 2: Flier Circulated During 2008 Campaign for Mayor in Virginia Beach

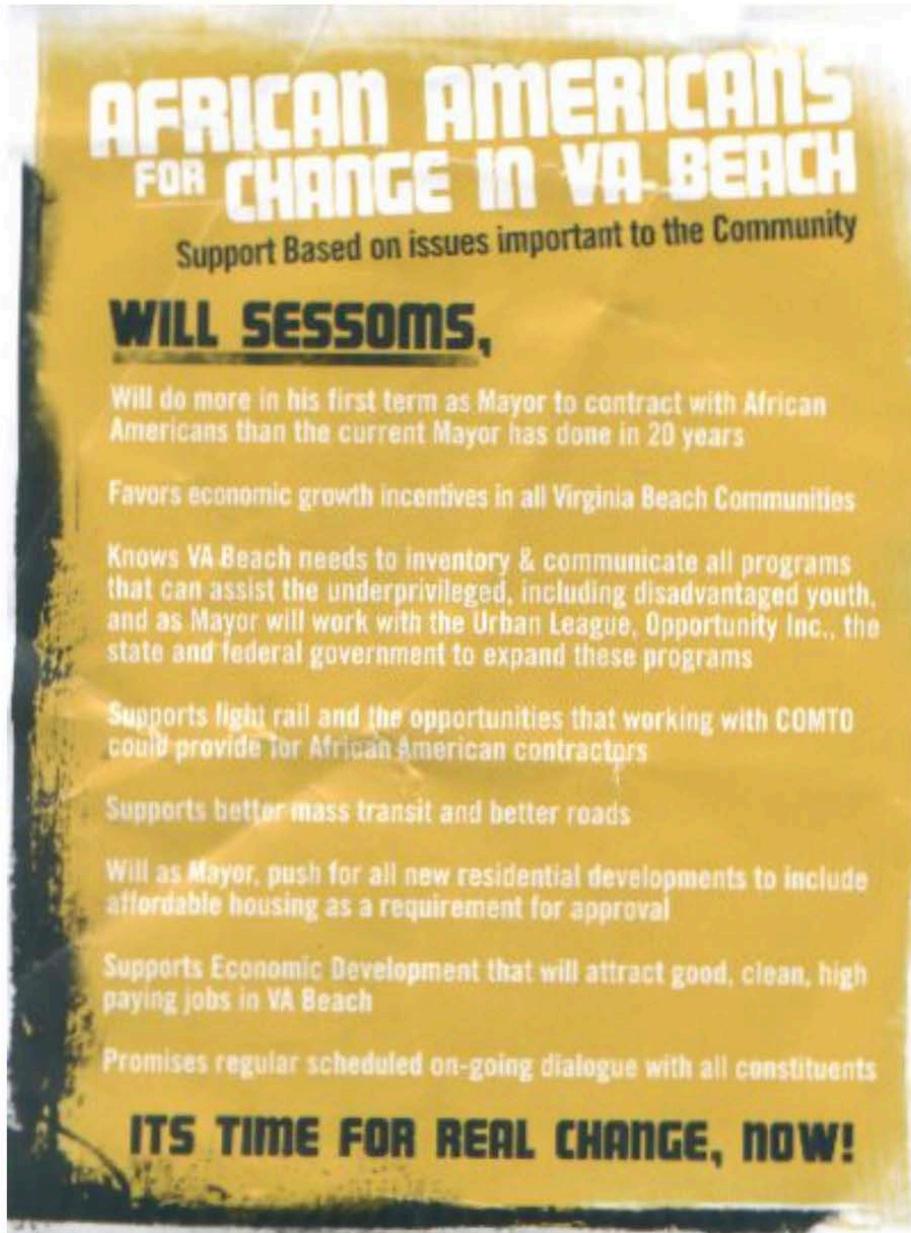


Figure 21 – Mailer Sent by Republican Party of Virginia 2017

Paid for by the Republican Party of Virginia-www.rpv.org
Authorized by Rocky Holcomb, candidate for Delegate
115 East Grace Street
Richmond, VA 23219

Non-Profit Org.
U.S. Postage
PAID
Richmond, VA
Permit #551

LIBERAL CHERYL TURPIN

**WANTS TO BRING
BACK PAROLE**

**& LET RAPISTS OUT
OF JAIL EARLY**



Virginia abolished all discretionary parole in 1994. Since the abolition of parole, violent criminals in Virginia are required to serve at least 85 percent of their sentences— no exceptions.

Now, Cheryl Turpin wants to restore parole for convicted felons in Virginia. With the safety of our families and children at stake, we can't take that chance.

Cheryl Turpin puts the interests of criminals ahead of the interests of rape victims and our community.

**VOTE ON NOV. 7TH
YOU CAN STOP CHERYL'S
TURPIN'S DANGEROUS PLAN**

1. Public statements said at Arrowhead Civic League Meeting, 9/12/17



Other States Currently Have Parole and it's a Nightmare.

Police: Convicted rapist out on parole attacked 7-year-old girl

A convicted rapist has been arrested and charged with sexually assaulting a 7-year-old girl, **just six weeks after he was released from prison**, authorities said.

FOX29.COM, 6/23/17