EXHIBIT A

Part 1

REVISED EXHIBIT A

IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF GEORGIA
ATLANTA DIVISION

ALPHA PHI ALPHA FRATERNITY INC., et al., *Plaintiffs*, vs. BRAD RAFFENSPERGER, in his official capacity as Secretary of State of Georgia. *Defendant*.	Civ. No. 21-5337

DECLARATION OF WILLIAM S. COOPER

WILLIAM S. COOPER, acting in accordance with 28 U.S.C. § 1746, Federal Rule of Civil Procedure 26(a)(2)(B), and Federal Rules of Evidence 702 and 703, does hereby declare and say:

I. INTRODUCTION

1. My name is William S. Cooper. I have a B.A. in Economics from Davidson College. As a private consultant, I serve as a demographic and redistricting expert for the Plaintiffs.

2. I have testified at trial as an expert witness on redistricting and demographics in federal courts in about 45 voting rights cases since the late 1980s. Over 25 of the cases led to changes in local election district plans. Five of the cases

resulted in changes to statewide legislative boundaries: *Rural West Tennessee African-American Affairs Council, Inc. v. McWherter*, No. 92-cv-2407 (W.D. Tenn. 1995); *Old Person v. Brown*, No. 96-cv-0004 (D. Mont. 2002); *Bone Shirt v. Hazeltine*, No. 01-cv-3032 (D.S.D. 2004); *Alabama Legislative Black Caucus v. Alabama*, No. 12-cv-691 (M.D. Ala. 2017), and *Thomas v. Reeves* (S.D. Miss. 2019). In *Bone Shirt v. Hazeltine*, the court adopted the remedial plan I developed.

3. I served as the *Gingles* 1 expert for two post-2010 local-level Section 2 cases in Georgia, *NAACP v. Fayette County* and *NAACP v. Emanuel County.* In both cases, the parties settled on redistricting plans that I developed (with input from the respective defendants). In the latter part of the decade, I served as the *Gingles* 1 expert in three additional Section 2 cases in Georgia, which were all voluntarily dismissed after the 2018 elections: *Georgia NAACP v. Gwinnett County*), No. 1:16-cv-02852-AT; *Thompson v. Kemp*, No. 1:17-cv-01427 (N.D. Ga. 2018); and *Dwight v. Kemp*, No. 1:18-cv-2869 (N.D. Ga. 2018).

4. My redistricting experience is further documented in my curriculum vitae, which is attached as **Exhibit A**.

A. Purpose of Declaration

5. The attorneys for the Plaintiffs in this case asked me to determine whether the African-American[1] population in Georgia is "sufficiently large and geographically compact" to allow for the creation, employing traditional districting principles, of additional majority-Black Senate and House districts beyond those created in the legislative plans that were signed into law by Governor Kemp on December 30, 2021—in other words, districts that meet the first *Gingles* precondition ("*Gingles* 1").[2]

6. For purposes of the *Gingles* 1 analysis in this declaration, and unless otherwise noted, I define majority-Black districts as those that are majority-Black voting age ("BVAP"). I also report whether districts are majority-Black citizen voting age ("BCVAP").[3]

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[1] In this declaration, "African-American" refers to persons who are single-race Black or Any Part Black (i.e. persons of two or more races and some part Black), including Hispanic Black. In some instances (e.g. for historical comparisons) numerical or percentage references identify single-race Black as "SR Black" and Any Part Black as "AP Black." Unless noted otherwise, "Black" means AP Black. It is my understanding that following the U.S. Supreme Court decision in *Georgia v. Ashcroft*, 539 U.S. 461 (2003), the "Any Part" definition is an appropriate Census classification to use in most Section 2 cases.

Throughout this report, I refer to the two legislative plans signed into law by Governor Kemp as the 2021 Senate Plan and the 2021 House Plan, respectively.

[2] *See Thornburg v. Gingles*, 478 U.S. 30, 50 (1986).

[3] The CVAP estimates I report count only persons who are non-Hispanic single-race Black. The estimates are disaggregated from the block group level as published by the U.S. Census Bureau. The most current data available is from the 2015-2019 Special Tabulation, with a survey

7. The two illustrative plans that I have prepared (one for the State House and one for the State Senate) demonstrate that Georgia's Black population is sufficiently numerous and geographically compact to allow for the creation of at least three additional majority-Black Senate districts and five additional majority-Black House districts.

8. The illustrative plans comply with traditional redistricting principles, including population equality, compactness, contiguity, respect for communities of interest, and the non-dilution of minority voting strength.

9. The illustrative plans are drawn to follow, to the extent possible, county and VTD[4] boundaries. Where counties are split to comply with one-person one-vote requirements or to avoid pairing incumbents, I have generally used whole 2020 Census VTDs as sub-county components. Where VTDs are split, I have followed census block boundaries that are aligned with roads, natural features, census block groups, or municipal boundaries.

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midpoint of July, 1 2017.
https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html

The 2016-2020 ACS Special Tabulation has been delayed due to the pandemic. The 2016-2020 estimates will reflect Census 2020 population distribution, which could require updates to the number of majority-BCVAP districts.

[4] "VTD" is a Census Bureau term meaning "voting tabulation district." VTDs generally correspond to precincts. Statewide, there are 2,698 2020 VTDs.

10. **Exhibit B** describes the sources and methodology I have employed in the preparation of this report and the illustrative plans. Briefly, I used the Maptitude software program as well as data and shapefiles from the U.S. Census Bureau and the Georgia Legislative and Congressional Reapportionment Office, among other sources.

B. Summary of Expert Conclusions

11. Based on my *Gingles* 1 analysis, I conclude the following:

State Senate

- The 2021 Senate Plan contains 14 majority-Black districts (15 that are both BVAP and BCVAP).

- As shown in the Plaintiffs' Illustrative Senate Plan, a statewide Senate plan can be drawn with 19 majority-Black districts, including two additional majority-Black districts in south Metro Atlanta and an additional majority-Black district anchored in the eastern portion of Georgia's Black Belt (encompassing part of Augusta and extending west to Baldwin and Houston Counties).[5]

[5] In addition, the Illustrative Senate Plan described *infra* also creates an additional majority-Black Senate district in Gwinnett and Dekalb Counties (District 9), and an additional majority-Black Senate district in Cobb County (District 6), for a total of 19 statewide.

- The Black population in south Metro Atlanta is sufficiently numerous and geographically compact to allow for the creation of at least two additional compact majority-Black Senate districts.

- The Black population in and around Georgia's eastern Black Belt counties (an area I define in greater detail below) is sufficiently numerous and geographically compact to form an additional compact majority-Black Senate district.

State House

- The 2021 House Plan contains 49 majority-Black districts (47 of which are also majority BCVAP).

- As shown in the Plaintiffs' Illustrative House Plan, a statewide House Plan can be drawn with at least 54 majority-Black districts (53 that are both BVAP and BCVAP), including four additional majority-Black districts anchored in south Metro Atlanta and two additional majority-Black districts in Georgia's Black Belt.

- The Black population in south Metro Atlanta is sufficiently numerous and geographically compact to allow for the creation of at least three additional compact majority-Black House districts in Metro Atlanta.

- The Black population in and around the eastern Black Belt counties is sufficiently numerous and geographically compact to form an additional compact majority-Black House district.

- The Black population in and around the western Black Belt counties is sufficiently numerous and geographically compact to form an additional compact majority-Black House district.

C. *Gingles* 1 Analysis – Focus Areas

12. According to the data collected in the 2020 Census, and as discussed in further detail below, Georgia's Black population has grown significantly since 2010. The State's Black population is up by 484,848 persons, the equivalent of 2.5 State Senate districts or eight entire State House districts. By contrast, the State's white population actually declined during that same period. Yet despite the significant growth in Georgia's Black population since 2010, almost no additional majority-Black districts are created in Georgia's 2021 Senate and House Plans.[6]

13. The 2021 Senate Plan merely maintains the status quo, with 14 majority-Black districts, the same number as in the previous plan which was enacted in 2012

[6] The ideal population size for a Senate district is 191,284 and 59,511 for a House district. Those numbers are derived from the State's total population and the number of seats in each body.

and first used in 2014 during mid-decade redistricting (the "2014 Benchmark Senate Plan").[7]

14. The 2021 House Plan has two more majority-Black districts than the previous plan, which was enacted in 2015 (the "2015 Benchmark House Plan") (and which in turn incorporated a discrete set of changes to the plan enacted in 2012).[8] That small increase is nowhere near commensurate with the significant growth of Georgia's Black population during that period.

15. Under the 2021 Senate Plan, 10 of the 14 majority-Black districts are in Metro Atlanta. Under the 2021 House Plan, 33 of the 49 majority-Black districts are in Metro Atlanta.[9]

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[7] I am counting Senate District 41 as majority-Black under the 2014 Benchmark Senate Plan. That district, which was 51.4% BVAP when drawn under the 2010 Census, slipped to 49.76% BVAP according to the 2020 Census (though it remained a BCVAP-majority district at 57.22% BCVAP).

Notably, Senate District 2 in the 2014 Benchmark Senate Plan was similarly drawn at 50.94% BVAP based on 2010 Census data, but had fallen to 47.09% BVAP under the 2020 Census (though it remained at 53.43% BCVAP). Under the 2021 Senate Plan and the Illustrative Senate Plan, District 2 is no longer majority-BVAP (46.86% in both plans) but remains majority-BCVAP (53.13% in both plans). I am not counting Senate District 2 as majority-Black under the 2014 Benchmark Senate Plan, though I note that doing so would result in the 2021 Senate Plan having one *fewer* majority-Black Senate district than its predecessor plan.

[8] The Senate and House plans initially enacted after the 2010 Census are included in Exhibits I-2 and V-2, *infra.* These historical plans are not substantially different than the Benchmark plans with respect to the number of majority-Black districts. The prior Senate and House maps, enacted in 2006, are also included in Exhibits I-3 and V-3, respectively.

[9] In this declaration, Metro Atlanta refers to the 29-county Atlanta Metropolitan Statistical Area ("MSA") defined by the U.S. Office of Management and Budget. It includes the Counties of Barrow, Bartow, Butts, Carroll, Cherokee, Clayton, Cobb, Coweta, Dawson, DeKalb, Douglas,

16. To determine where additional majority-Black districts could be drawn, I initially focused on areas with substantial Black populations, in particular:

(1) Metro Atlanta counties (as defined by the Atlanta-Sandy Springs-Alpharetta MSA boundaries) shown in the Census Bureau's map in **Exhibit C**;

(2) Georgia's Black Belt (as defined by the Georgia Budget and Policy Institute ("GBPI") shown in the map in **Figure 1**.[10] **Exhibit D** is an excerpt from the GBPI report (Appendix A) identifying the Black Belt counties and school districts depicted in Figure 1. More broadly, and as the GBPI report explains, the term "Black Belt" refers to a swath of the American South that historically had large numbers of enslaved Black persons, and that today continues to have substantial Black populations; in Georgia, the area comprising the Black Belt

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Fayette, Forsyth, Fulton, Gwinnett, Haralson, Heard, Henry, Jasper, Lamar, Meriwether, Morgan, Newton, Paulding, Pickens, Pike, Rockdale, Spalding, and Walton.

MSA is an abbreviation for "metropolitan statistical area." Metropolitan statistical areas are defined by the U.S. Office of Management and Budget and reported in historical and current census data produced by the Census Bureau. MSAs "consist of the county or counties (or equivalent entities) associated with at least one urbanized area of at least 50,000 population, plus adjacent counties having a high degree of social and economic integration with the core as measured through commuting ties."
https://www.census.gov/programs-surveys/metro-micro/about.html

[10] For a current and historical analysis of Georgia's Black Belt, see *Education in Georgia's Black Belt: Policy Solutions to Help Overcome a History of Exclusion* (Stephen Owens, October 10, 2019*),* published by the Georgia Budget & Policy Institute.
https://gbpi.org/education-in-georgias-black-belt.

extends roughly southwest from the area around Augusta to the southwest corner of the State.

Figure 1

Georgia's Black Belt School Districts

17. Upon review, I narrowed my focus to three regions within those larger areas (see maps in **Exhibit E** and **Figure 4** *infra*):

18. **(Region A) South Metro Atlanta**: suburban /exurban counties in a significantly Black, racially diverse, and geographically compact region that has emerged over the past quarter of a century—specifically, the counties of Fayette, Spalding, Henry, Rockdale, and Newton.

19. The Georgia Governor's Office of Planning and Budget projects that this 5-county region will have 725,000 residents by the time of the 2030 Census –

up by about 92,000 persons over the Census 2020 enumeration, of whom 61% will be non-White. African Americans are projected to account for about 60% of the non-White population increase.[11]

20. Under the 2021 Senate Plan, parts of three majority-Black districts are in the south Metro counties—Senate Districts 10, 34, and 43.

21. Under the 2021 House Plan, parts of seven majority-Black House districts are in these five south Metro counties.

22. **(Region B) Eastern Black Belt Area**: urban Black Belt Richmond County (Augusta) plus a group of rural Black Belt counties in a geographically compact area. The rural counties are home to a long-standing Black community that has not been in a majority-Black Senate district since the passage of the 1965 Voting Rights Act.

23. All of the Region B counties are part of the Central Savannah River Area, as shown in **Exhibit F** on the regional commission map prepared by the Georgia Department of Community Affairs ("GDCA").

24. As shown on the GDCA map, Region B encompasses the following Central Savannah River Area counties: (counter clockwise from east to west) Jenkins, Burke, Richmond, Jefferson, McDuffie, Wilkes, Taliaferro, Glascock,

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[11] https://opb.georgia.gov/census-data/population-projections.

Warren, Washington, and Hancock. Ten of these 11 contiguous counties—excluding Glascock (pop. 2,884)—are identified as part of Georgia's Black Belt by GBPI. Moreover, additional adjacent counties, such as Baldwin County, lie outside the Central Savannah River Area Regional Commission area but are also identified as part of the Black Belt by GBPI and have substantial Black populations.

25. The 2021 Senate Plan includes one majority-Black district in Region B—Senate District 22 (56.5% BVAP)—in Augusta/Richmond County, and a small part of another majority Black district—Senate District 26 (56.99% BVAP)—anchored in Macon/Bibb County.

26. The 2021 House Plan contains five majority-Black districts in the Region B area.

27. **(Region C) Western Black Belt Area**: urban Black Belt Dougherty County (Albany) plus a group of southwest Georgia rural Black Belt counties in a geographically compact area, implicitly identified in the area encompassed by majority-Black Senate District 12 (57.97% BVAP) in the 2021 Senate Plan.

28. Region C encompasses part of the Southwest Georgia and Valley River Area regional commission areas depicted on the GDCA map in **Exhibit F.**

29. The 2021 House Plan contains just two majority-Black House districts in Region C, even though there is obviously sufficient Black population to create

three districts in an area generally circumscribed by Senate District 12 in the 2021 Senate Plan.

30. Senate District 12 encompasses 13 counties: (counter clockwise from north to south on the GDCA map) Sumter, Webster, Stewart, Quitman, Randolph, Terrell, Clay, Calhoun, Dougherty, Early, Miller, Baker, and Mitchell. Twelve of the 13 counties—excluding Miller (pop. 6,000)— are identified by GBPI as Black Belt counties.[12] Moreover, additional adjacent counties, such as Thomas County, lie outside of Senate District 12 in 2021 Senate Plan but are also identified as part of the Black Belt by GBPI and have substantial Black populations.

D. Organization of Declaration

31. The remainder of this declaration is organized as follows: **Section II** reviews state and regional demographics since 1990. **Section III** reviews the benchmark 2014 Senate Plan and the 2021 Senate Plan**. Section IV** presents the Illustrative Senate Plan that I have prepared, containing 19 majority-Black districts. **Section V** reviews the benchmark 2015 House Plan and the enacted 2021 House Plan**. Section VI** presents the Illustrative House Plan that I have prepared, containing 54 majority-Black districts.

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[12] Plaintiffs' Illustrative Senate Plan also contains a majority-Black Senate District in the same general area of southwest Georgia, Illustrative Senate District 12 (57.34% BVAP).

II. DEMOGRAPHIC PROFILE – STATEWIDE AND REGIONAL

32. This section provides current and historical population summaries for Georgia, Metro Atlanta, and for the three distinct areas where additional majority-Black House districts can be created—generally defined by **(Region A)** the 5-county south Metro Atlanta area, **(Region B)** the 11-county in the eastern Black Belt within the Augusta/Central Savannah River Regional Commission area, and **(Region C)** the 13-county western Black Belt around Albany and Southwest Georgia.

A. 2010 to 2020: A Decade of Minority Population Growth in Georgia

33. According to the 2020 Census, Georgia has a total population of 10,711,908—up by 1.02 million since 2010. Georgia's population growth since 2010 can be attributed entirely to gains in the overall minority population.

34. Between 2010 and 2020, nearly half (47.26%) of the State's population gain is attributed to Black population growth.

35. **Figure 2** reveals that Georgia's Black population, as a share of the overall statewide population, increased between 2010 and 2020 from **31.53%** Black in 2010 to **33.03%** in 2020. Over the 2010 to 2020 decade, the Black population in Georgia increased by 484,048 persons—an increase of nearly 16% from the 2010 baseline. By contrast, between 2010 and 2020, the non-Hispanic White ("NH White") population fell by -51,764 persons.

Figure 2

Georgia – 2010 Census to 2020 Census
Population by Race and Ethnicity

	2010 Number	Percent	2020 Number	Percent	2010 - 2020 Change	% 2010 - 2020 Change
Total Population	9,687,653	100.0%	10,711,908	100.00%	1,024,255	9.56%
NH White*	5,413,920	55.88%	5,362,156	50.06%	-51,764	-0.48%
Total Minority Pop.	4,273,733	44.12%	5,349,752	49.94%	1,076,019	10.05%
Latino	853,689	8.81%	1,123,457	10.49%	269,768	2.52%
NH Black*	2,910,800	30.05%	3,278,119	30.60%	367,319	3.43%
NH Asian*	311,692	3.22%	475,680	4.44%	163,988	1.53%
NH Hawaiian and PI*	5,152	0.05%	6,101	0.06%	949	0.01%
NH American Indian and Alaska Native*	21,279	0.22%	20,375	0.19%	-904	-0.01%
NH Other*	19,141	0.20%	55,887	0.52%	36,746	0.34%
NH Two or More Races	151,980	1.57%	390,133	3.65%	238,153	2.22%
SR Black (Single-race Black)	2,950,435	30.46%	3,320,513	31.00%	370,078	3.45%
AP Black (Any Part Black)	3,054,098	31.53%	3,538,146	33.03%	484,048	4.52%
NH Any Part Black	2,997,627	30.94%	3,455,484	32.26%	457,857	4.27%

* Single-race, non-Hispanic.

36. Non-Hispanic Whites are a razor-thin majority of the 2020 population (50.06%). Black Georgians account for one-third (33.03%) of the population and comprise the largest minority population, followed by Latinos (10.05%).

B. Voting Age and Citizen Voting Age Populations in Georgia

37. As shown in **Figure 3**, African Americans in Georgia constitute a slightly smaller percentage of the voting age population (VAP) than the total population. According to the 2020 Census, Georgia has a total VAP of 8,220,274 – of whom 2,607,986 (31.73%) are AP Black. The NH White VAP is 4,342,333 (52.82%).

Figure 3

Georgia – 2020 Voting Age Population &2019 Estimated Citizen Voting Age Population by Race and Ethnicity[13]

	2020 VAP	2020 VAP Percent	2019 CVAP Percent
Total	8,220,274	100.00%	100.00%
NH White 18+	4,342,333	52.82%	.57.6%
Total Minority 18+	3,877,941	47.18%	42.4%
Latino 18+	742,918	9.04%	5.0%
Single-race Black (Including Black Hispanics) 18+	2,488,419	30.27%	32.9%
Any Part Black (Including Black Hispanics) 18+	2,607,986	31.73%	33.8%

38. The rightmost column in **Figure 3** reveals that both the Black and NH White population comprise a higher percentage of CVAP than the corresponding VAP, owing to higher non-citizenship rates among other minority populations.

39. According to estimates from the 1-year 2019 *American Community Survey* ("ACS"), African Americans represent 33.8% of the statewide CVAP—

[13] Sources:
PL94-171 Redistricting File (Census 2020);

Table S2901 – CITIZEN, VOTING-AGE POPULATION BY SELECTED CHARACTERISTICS (1-year 2019 ACS**)**
https://data.census.gov/cedsci/table?q=S2901&g=0400000US13&tid=ACSST1Y2019.S2901.

2019 ACS 1-Year Estimates 1-Year Estimates-Public Use Microdata Sample
https://data.census.gov/mdat/#/search?ds=ACSPUMS1Y2019&vv=AGEP(18:99)&cv=RACBLK(1)&rv=ucgid,CIT(1,2,3,4)&wt=PWGTP&g=0400000US13.

about 2 percentage points higher than the 2020 AP Black VAP. The NH White CVAP is 57.6%, nearly 5 points higher than NH White VAP in the 2020 Census.[14]

C. 2020 Census Spatial Distribution of Georgia's Black Population

40. The map in **Figure 4** depicts the 2020 Black population percentage for Georgia's 159 counties. 67 are in the 20% to 40% range, 33 are 40% to 60%, and 8 are between 60% and 73%. The bold black boundary identifies the Atlanta MSA.

Figure 4

2020 Census – Black Population by County

[14] Due to the COVID-19 pandemic, the 1-year 2020 ACS results will not be published. Source: https://www.census.gov/newsroom/press-releases/2021/changes-2020-acs-1-year.html.

41. Color lines on the **Figure 4** map demarcate the areas I focused on to determine prospects for additional majority-Black House districts: **Region A** (blue outline), which is south Metro Atlanta; **Region B** (red outline)**,** a group of Black Belt counties around Augusta (Richmond County); and **Region C** (green outline), a group of Black Belt counties around Albany (Dougherty County). A high-resolution version of the **Figure 4** map is in **Exhibit E**.

42. **Exhibit G-1** is a table showing 2010 and 2020 county populations by race and ethnicity, with population change between 2010 and 2020. **Exhibit G-2** is a table showing the Black population changes between 2010 and 2020. **Exhibit G-3** is a table showing 2000 and 2010 county populations by race and ethnicity, with population change between 2000 and 2010. **Exhibit G-3** is a table showing 1990 and 2000 county populations by race and ethnicity, with population change between 1990 and 2000.

D. Black Population as a Component of Total Population from 1990 to 2020

(1) Georgia – Statewide

43. As shown in **Figure 5**, Georgia's Black population has increased significantly in absolute and percentage terms since 1990, from about 27% in 1990 to 33% in 2020. Over the same time period, the percentage of the population identifying as NH White has dropped from 70% to 50%.

Figure 5

Georgia – 1990 Census to 2020 Census
Population by Race and Ethnicity

	1990 Number	Percent	2000 Number	Percent	2010 Number	Percent	2020 Number	Percent
Total Population	6,478,216	100.00%	8,186,453	100.00%	9,687,653	100.0%	10,711,908	100.00%
NH White	4,543,425	70.13%	5,128,661	62.65%	5,413,920	55.88%	5,362,156	50.06%
Total Minority Pop.	1,934,791	29.87%	3,057,792	37.35%	4,273,733	44.12**%**	5,349,752	49.94**%**
Latino	108,922	1.68%	435,227	5.32%	853,689	8.81%	1,123,457	**10.49%**
Black*	1,746,565	26.96%	2,393,425	**29.24**%	3,054,098	**31.53%**	3,538,146	**33.03%**

* SR Black in 1990 – AP Black 2000-2020.

(2) Metro Atlanta – 29-County MSA

44. **Figure 6** summarizes the obvious. The key driver of population growth in Georgia this century has been Metro Atlanta, led in no small measure by a large increase in the Black population in the area. (See **Exhibit C** depicting the 29-county MSA area with bold green lines).

Figure 6

29-County MSA – Metro Atlanta – 1990 to 2020
Population by Race and Ethnicity

	1990 Number	Percent	2000 Number	Percent	2010 Number	Percent	2020 Number	Percent
Total Population	3,082,308	100.00%	4,263,438	100.00%	5,286,728	100.00	6,089,815	100.00%
NH White	2,190,859	71.08%	2,576,109	60.42%	2,684,571	50.78%	2,661,835	43.71%
Total Minority Pop.	891,449	28.92%	1,687,329	39.58%	2,602,157	49.22%	3,427,980	56.29%
Latino	58,917	1.91%	270,655	6.35%	547,894	10.36%	730,470	11.99%
Black*	779,134	25.28%	1,248,809	29.29%	1,776,888	33.61%	2,186,815	35.91%

* SR Black in 1990, AP Black 2000-2020.

45. Under the 1990 Census, today's 29 county-MSA was 25.28% Black, increasing to 35.91% in 2020. Since 2000, the Black population in Metro Atlanta has climbed by 75%, from 1,248,809 to 2,186,815 in 2020.

46. According to the 2020 Census, 56.29% of Metro Atlanta residents are non-White—a major shift compared to the previous decade. In 2010, NH Whites represented 50.78% of the population.

47. According to the 2020 Census, the 11 core counties comprising the Atlanta Regional Commission ("ARC") service area[15] account for more than half (54.7%) of the statewide Black population. After expanding the Metro Atlanta area to include the 29 counties in the Atlanta MSA (including the 11 ARC counties), Metro Atlanta encompasses 61.81% of the state's Black population.

(3) Region A – 5-County South Metro Atlanta

48. The table in **Figure 7** presents similar 1990 to 2020 population details for the five south Metro Atlanta counties (**Region A**), where I have determined that two additional majority-Black Senate districts and at least three additional majority-Black House districts can be drawn.

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[15] https://atlantaregional.org/atlanta-region/about-the-atlanta-region.

Figure 7

Region A – 5-County South Metro Atlanta – 1990 to 2020
Population by Race and Ethnicity

	1990 Number	Percent	2000 Number	Percent	2010 Number	Percent	2020 Number	Percent
Total Population	271,512	100.00%	401,133	100.00%	559,735	100.00%	633,265	100.00%
NH White	227,297	83.72%	305,779	76.23%	305,092	54.51%	262,792	41.50%
Total Minority Pop.	44,215	16.28%	95,354	23.77%	254,643	45.49%	370,473	58.50%
Latino	2,757	1.02%	11,560	2.88%	33,722	6.02%	48,287	7.63%
Black*	38,945	14.34%	74,249	18.51%	205,426	36.70%	294,914	46.57%

* SR Black in 1990, AP Black 2000-2020.

49. As is readily apparent from the **Figure 7** timeline, south Metro Atlanta has undergone a dramatic demographic transformation over the past 30 years. In 1990, just 14.34% of the population in the 5-county south Metro Atlanta area was Black. By 2010, the Black population had more than doubled to reach 36.70% of the overall population, then climbing to 46.57% in 2020.

50. Between 2000 and 2020, the Black population in the 5-county south Metro Atlanta region quadrupled, from 74,249 to 294,914. The NH White population in the region actually decreased during the same period.

(4) Region B – Eastern Black Belt

51. In contrast to south Metro Atlanta, the Black Belt counties in the Augusta area have experienced a slight overall population decline since 1990, from 331,615 to 325,164 in 2020. However, the Black population in the region has

grown. **Figure 8** reveals that a 19% increase in the Black population since 1990 has been offset by a 28.7% decline in the NH White population.

Figure 8

Region B – Eastern Black Belt Area - 1990 to 2020
Population by Race and Ethnicity

	1990 Number	Percent	2000 Number	Percent	2010 Number	Percent	2020 Number	Percent
Total Population	331,615	100.00%	321,998	100.00%	322,852	100.00	325,164	100.00%
NH White	174,163	52.52%	146,870	45.61%	133,467	41.34%	124,115	38.17%
Total Minority Pop.	157,452	47.48%	175,128	54.39%	189,385	58.66%	201,049	61.83%
Latino	4,412	1.33%	7,173	2.23%	11,179	3.46%	14,751	4.54%
Black*	149,307	45.02%	163,130	50.66%	173,238	53.66%	177,610	54.62%

* SR Black in 1990 – AP Black 2000-2020.

52. In 1990, the Black population in Region B represented 45.02% of the total population, climbing to 54.62% in 2020.

53. The 2020 population in the 11-county area that I identified as Region B is sufficient to form only about 1.7 Senate districts or 5.5 House districts, which is below what would be necessary to create a second majority-Black Senate district or a sixth majority-Black House district. However, as shown in the Illustrative Senate and House Plans discussed in this report, this population deficit can be overcome, and additional majority-Black Senate and House districts can be drawn, by including contiguous, demographically similar Black Belt counties such as Baldwin, Putnam, and Wilkinson in the additional districts.

(5) Region C – Western Black Belt

54. As shown in **Figure 9**, the western Black Belt has experienced a population decline since 2010, after holding relatively stable between 1990 and 2010. All of the population loss can be attributed to a steady decline in the NH White population over the past several decades

Figure 9

Region C – Western Black Belt Area - 1990 to 2020
Population by Race and Ethnicity

	1990 Number	Percent	2000 Number	Percent	2010 Number	Percent	2020 Number	Percent
Total Population	205,742	100.00%	214,686	100.00%	209,747	100.00	190,819	100.00%
NH White	100,751	48.97%	90,946	42.36%	76,748	36.59%	64,553	33.83%
Total Minority Pop.	104,991	51.03%	123,740	57.64%	132,999	63.41%	126,266	66.17%
Latino	1,485	0.72%	3,588	1.67%	7,377	3.52%	7,429	3.89%
Black*	102,728	49.93%	118,786	55.33%	123,663	58.96%	115,621	60.59%

* SR Black in 1990, AP Black 2000.

55. In 1990, NH Whites constituted about half of the overall population. By 2020, NH Whites comprised only about one-third. Over the same time period, the Black population grew in absolute terms from 102,728 to 115,621, representing just under half the population in 1990, but 60.6% of the population by 2020.

56. There is insufficient population to create an additional majority-Black Senate district in Region C and the counties immediately adjacent to Region C in the western Black Belt. However, as shown in the illustrative plans discussed in this report, an additional House district can be drawn in the area.

E. County and Municipal Socioeconomic Characteristics

57. For background on socioeconomic characteristics by race and ethnicity at the county and community level in Georgia, I have prepared charts based on the 5-year 2015-2019 American Community Survey. That data is compiled online[16] and has been included in a compact-disk as **Exhibit CD**.

[16] The county level data is available at http://www.fairdata2000.com/ACS_2015_19/Georgia/ and the community-level data is available at http://www.fairdata2000.com/ACS_2015_19/Georgia/00_Places_2500+/.

III. SENATE – HISTORICAL BENCHMARK PLANS AND 2021 PLAN

A. Majority-Black Senate Districts – 1990s Plan to 2021 Plan

58. As shown in **Figure 10**, despite the significant growth in Georgia's Black population since 2000—climbing by 1.2 million persons—the number of majority-Black Senate districts has only inched up to 14 from 13 in the 2006 Plan, and has remained static for the last decade.

Figure 10

Number of Majority-Black Senate Districts by Plan – 2000 to 2021

Senate Plans[17]	Statewide Majority-Black Districts	Metro Atlanta Majority-Black Districts
1990s Plan – 2000 Census	12	7
2006 Plan – 2010 Census	13	10
2014 Plan – 2020 Census	14	10
2021 Plan – 2020 Census	14	10

59. As **Figure 11** reveals, despite the major changes in the composition of the State's population, the percentage of Black Georgians of voting age in majority-Black Senate districts has hovered around 50% since the mid-2000s, while the percentage of the NH White VAP in majority-White districts has stayed above 80%

[17] As discussed *supra* n.8, I am including Senate District 41 as majority-Black under the 2014 Benchmark Senate Plan, even though it had fallen to 49.76% BVAP by the 2020 Census. Notably, when the 2014 Benchmark Senate Plan was drawn, it had 15 total BVAP-majority districts under the 2010 Census, including both Senate District 41 and Senate District 2 in Savannah. In that sense, the 2021 Senate Plan actually represents a *diminution* of one majority-Black district from the last districting effort.

over the same timeframe—indicating that Black populations are disproportionately "cracked" or divided into majority-White districts rather than placed in majority-Black districts.[18]

Figure 11

Same Race VAP in Majority-Black and Majority NH White Districts – 2000 to 2021

Senate Plans	Statewide % Black VAP in Majority-Black Districts*	Statewide %NH White VAP in Majority-White Districts
1990s Plan – 2000 Census	43.51%	90.51%
2006 Plan – 2010 Census	53.84%	83.88%
2014 Plan – 2020 Census	52.29%	80.64%
2021 Plan – 2020 Census	52.45%	80.54%

* Including Senate District 2 for all years and Senate District 41 for 2014 and 2021.

B. 2014 Benchmark Senate Plan

60. The map in **Figure 12** displays 2014 Benchmark Senate Plan districts in south Metro Atlanta (Region A) and in the eastern Black Belt (Region B). Labels on the map display the district number and the BVAP percentages, according to the 2020 Census. Green labels and borders identify majority-Black districts. **Exhibit H** is a higher resolution version of the **Figure 12** map.

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[18] "Packing" describes election districts where a minority population is unnecessarily concentrated, resulting in an overall dilution of minority voting strength in the voting plan. "Cracking" describes election plans with one or more districts that fragment or divide the minority population, also resulting in an overall dilution of minority voting strength in the voting plan.

Figure 12: *2014 Benchmark Senate Plan – Region A and Region B*

61. **Exhibit I-1** contains a map packet depicting the 2014 Benchmark Senate Plan, with corresponding Census 2010 statistics, prepared by the Georgia Legislative & Congressional Reapportionment Office ("GLCRO"). **Exhibit I-2** shows the map for the prior 2011-enacted Senate plan, and **Exhibit I-3** shows the map for the Senate plan enacted in 2006.

62. **Exhibit J-1** is a table reporting Census 2020 population statistics for the 56 districts in the 2014 Benchmark Senate Plan, as well as CVAP estimates from

the 5-year 2015-2019 Special Tabulation.[19] **Exhibits J-2** and **J-3** provide similar population data for the prior, 2011-enacted and 2006-enacted plans.

63. As a result of the dramatic population shifts in Georgia since 2010, the 2014 Benchmark Senate Plan is severely malapportioned, with an overall deviation of 47.75%, according to the 2020 Census.

64. Including Senate District 41 in Metro Atlanta, *see supra* nn.8 & 19, 2014 Benchmark Senate Plan contains 14 majority-Black districts. Fifteen districts in the 2014 Benchmark Plan are BCVAP-majority (the 14 BVAP majority ones plus Senate District 2 in Chatham County). Seventeen are B+L+ACVAP.

65. Additional 2014 Benchmark Senate Plan information regarding compactness scores, county splits, and VTD splits is reported *infra* for comparison with the Illustrative Senate Plan metrics.

C. 2021 Senate Plan

66. The map in **Figure 13** displays 2021 Senate Plan districts in south Metro Atlanta (Region A) and in the eastern Black Belt (Region B). Green labels and borders identify majority-Black districts. **Exhibit K** is a higher resolution version of the **Figure 13** map.

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[19] https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html.

Figure 13: *2021 Senate Plan – Region A and Region B*

67. **Exhibit L** contains a map packet depicting the 2021 Senate Plan, with corresponding Census 2020 statistics, prepared by GLCRO.

68. **Exhibit M** is a table reporting Census 2020 population statistics for the 56 districts in the 2021 Plan, as well as CVAP estimates from the 5-year 2015-2019 Special Tabulation.

69. The 2021 Senate Plan contains 14 majority-Black districts (BVAP). Fifteen are BCVAP majority (the 14 BVAP-majority plus Senate District 2 in

Chatham County). Eighteen districts in the 2021 Senate Plan are majority B+L+ACVAP.

70. Additional 2021 Plan information regarding compactness scores, county splits, VTD splits, and incumbent conflicts is reported for comparison with the Illustrative Senate Plan described in the next section.

IV. ILLUSTRATIVE SENATE PLAN

A. Statewide

71. The map in **Figure 14** displays Illustrative Senate Plan districts, with the map zoomed to identify the three additional majority Black districts (large green labels and borders) in south Metro Atlanta (Region A) and in the Black Belt (Regions B). **Exhibit N-1** is a higher resolution version of the **Figure 14** map.

Figure 14

72. **Exhibit N-2** contains maps for each of the 19 majority-Black districts in the Illustrative Plan.

73. **Exhibit O** is a table reporting Census 2020 population statistics for the 56 districts in the Illustrative Senate Plan, as well as CVAP estimates from the 5-year 2015-2019 Special Tabulation.

74. The Illustrative Senate Plan contains 19 majority-Black districts (BVAP). As with the 2014 Benchmark Senate and 2021 Senate Plans, there is an additional BCVAP-majority district in District 2 in Chatham County. Twenty-one districts in the Illustrative Senate Plan are majority B+L+ACVAP.

B. Additional Majority Black Districts in the Illustrative Senate Plan

75. The text descriptions of the additional majority-Black Senate districts in the Illustrative Senate Plan set forth below are illustrated with side-by-side comparison map exhibits, depicting the Illustrative Senate Plan and 2021 Senate Plan at the same scale. For ease of reference, these side-by-side pairings are also included in Exhibits as marked below.

76. In these maps, majority-Black districts are outlined with bold green boundaries and labels.

(1) South Metro Atlanta (Region A)

Illustrative District 28 (**Exhibit P-1**) and 2021 Plan District 16 (**Exhibit P-2**)

Figure 15: *Illustrative District 28 and vicinity*

77. Senate District 16 in the 2021 Senate Plan lies in the south and southwestern part of the Atlanta Metro area. It includes parts of Fayette and Spalding County. Both Fayette and Spalding County in particular have seen significant, double-digit growth in their Black populations over the last decade, including a near-doubling of the Black population in Fayette County in particular,

even as the White population there fell. Senate District 16 was nevertheless drawn with a BVAP of under 23% by combining Fayette and Spalding Counties with Whiter and more rural Pike and Lamar Counties.

Figure 16: *2021 Plan District 16 and vicinity*

78. A majority-Black Senate District can be drawn around where 2021 Senate Plan District 16 was drawn by "unpacking" some of the Black population in neighboring Senate Districts 34 and 44 (which include parts of Clayton County as well as part of Fayette County in Senate District 34 and part of Dekalb County in Senate District 44). In the 2021 Senate Plan, those neighboring districts are drawn with around 70% and 65% BVAP. Unpacking those districts allows a majority-Black Illustrative Senate Plan District 28 to be drawn in Fayette, Spalding, and a neighboring part Clayton County (which has also seen 30% growth in its substantial Black population), "uncracking" the Black population that had been drawn into 2021 Senate Plan District 16.

Illustrative District 17 (**Exhibit Q-1**) and 2021 Plan District 17 (**Exhibit Q-2**)

Figure 17: *Illustrative District 17 and Vicinity*

79. An additional majority-Black State Senate district can be drawn around where Senate District 17 in the 2021 Senate Plan was drawn. Senate District 17 as drawn in the 2021 Senate Plan, includes parts of Henry, Newton, and Walton Counties, and all of Morgan County, and lies in the southeastern part of the Atlanta Metro area.

Figure 18: *2021 Plan District 17 and Vicinity*

80. Of the counties in 2021 Senate District 17: Henry County's BVAP increased by almost 75% in the last decade (to nearly 60%) and Newton County's increased by more than 45% (to almost 50% of the total VAP of the county). Meanwhile, Dekalb and Rockdale Counties, which border Henry and Newton Counties, also have substantial Black populations. For example, Rockdale County is majority Black, and the county's BVAP increased by 53% over the last decade. Senate District 17 was nevertheless drawn in 2021 with a BVAP under 34%.

81. A majority-Black Senate District 17 can be drawn around where 2021 Senate Plan District 17 was drawn by "unpacking" the Black population in a number of neighboring districts, including 2021 Senate Plan Districts 10 and 43 (which include parts of Henry, Rockdale, and Newton Counties). Under the 2021 Senate Plan, those two districts were drawn with BVAPs of over 70% and almost 65%, respectively. Unpacking those districts allows a majority-Black Illustrative Senate Plan District 17 to be drawn in Henry as well as Rockdale and Dekalb Counties, "uncracking" the Black population in Henry County that had been drawn into 2021 Senate Plan District 17, which under the 2021 Senate Plan has been combined with predominantly White populations in Walton and Morgan Counties.[20]

[20] In addition, the Illustrative Senate Plan places the booming Black population of Newton County in another majority-Black district, District 43.

(2) Eastern Black Belt (Region B)

Illustrative District 23 (**Exhibit R-1**) and 2021 Plan District 23 (**Exhibit R-2**)

Figure 19: *Illustrative District 23 and Vicinity*

82. Another additional majority-Black State Senate district can be drawn around where Senate District 23 in the 2021 Senate Plan was drawn. Senate District 23 as drawn in the 2021 Senate Plan lies around the City of Augusta, including outlying parts of Richmond County and a number of surround Black Belt counties in the larger Augusta region, including Burke, Jefferson, Warren, and Taliaferro Counties. As noted already, the Black population in that region has increased,

although that growth has been offset by White population decline. Senate District 23 was drawn with a BVAP of under 36%.

Figure 20: *2021 Plan District 23 and Vicinity*

83. An additional majority-Black State Senate district can be drawn in the Augusta region, around where SD 23 was drawn, by "unpacking" the Black population in Senate District 22 (central Augusta) and Senate District 26 (which includes adjacent Black Belt counties to the west, such as Hancock County) and by "uncracking" the Black populations in Senate District 23 and Senate District 25 (which includes additional contiguous Black Belt counties such as Baldwin

County). This more even distribution allows a majority-Black Illustrative Senate Plan District 23 to be drawn in the area including Richmond County and much of the Augusta-area Black Belt counties, "uncracking" the Black population that had been drawn into 2021 Senate Plan District 23.

C. Supplemental Plan Information

84. Compactness scores for the Illustrative Senate Plan are within the norm. The **Exhibit S** series contains compactness scores generated by the software program Maptitude for Redistricting.

85. The table in **Figure 21** (condensed from the Exhibit S series) reports Reock[21] and Polsby-Popper[22] scores for the Illustrative Senate Plan (**Exhibit S-1**), alongside scores for the 2014 Benchmark Senate Plan (**Exhibit S-2**) and the 2021 Senate Plan (**Exhibit S-3**).

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[21] "The Reock test is an area-based measure that compares each district to a circle, which is considered to be the most compact shape possible. For each district, the Reock test computes the ratio of the area of the district to the area of the minimum enclosing circle for the district. The measure is always between 0 and 1, with 1 being the most compact. The Reock test computes one number for each district and the minimum, maximum, mean and standard deviation for the plan." Caliper Corporation, *Maptitude For Redistricting* Software Documentation.

[22] The Polsby-Popper test computes the ratio of the district area to the area of a circle with the same perimeter: 4pArea/(Perimeter2). The measure is always between 0 and 1, with 1 being the most compact. The Polsby-Popper test computes one number for each district and the minimum, maximum, mean and standard deviation for the plan. *See* Caliper Corporation, *Maptitude For Redistricting* Software Documentation.

Figure 21

Compactness Scores – Illustrative Senate Plan and 2014 Benchmark and 2021 Senate Plans

	Reock			Polsby-Popper	
	Mean	Low		Mean	Low
Illustrative Senate Plan	.38	.17		.25	.11
2014 Benchmark Senate Plan	.43	.14		.27	.11
2021 Senate Plan	.42	.18		.29	.12

86. **Exhibit T-1** contains a county and VTD split report generated by Maptitude for all districts in the Illustrative Senate Plan. See also **Exhibit T-2** (2014 Benchmark Senate Plan) and **Exhibit T-3** (2021 Senate Plan).

87. County and VTD splits are within the norm for a typical legislative plan. The table in **Figure 22** summarizes county and 2020 VTD splits under the Illustrative Senate Plan, the 2014 Benchmark Senate Plan, and the 2021 Senate Plan.

Figure 22

County and VTD Splits – Illustrative Plan versus 2014 Benchmark and 2021 Senate Plans

	County Splits (Populated)	Unique County-District Combinations	2020 VTD Splits (Populated)
Illustrative Senate Plan	33	59	54
2014 Benchmark Senate Plan	38	65	84
2021 Senate Plan	29	63	37

88. Based on incumbent address information obtained from the Redistricting Data Hub, the following districts in the Illustrative Senate Plan may have incumbent conflicts: 20 and 56.

89. Based on incumbent address information obtained from the Redistricting Data Hub, the following districts in the 2021 Senate Plan may have incumbent conflicts: 13 and 52.

D. Online Interactive Map

90. The Illustrative Senate Plan can also be viewed online in detail on the *Dave's Redistricting Application* (DRA) website via the link below. https://davesredistricting.org/join/f029239b-b5cc-444a-89cb-6409f92d8eb9.

V. HOUSE – HISTORICAL BENCHMARK PLANS AND 2021 PLAN

A. Majority-Black House Districts – 1990s Plan to 2021 Plan

91. As shown in **Figure 23**, and despite the significant growth in Georgia's Black population over the past two decades discussed earlier in this report, the number of majority-Black House districts has climbed by just five districts from 45 (25% of districts) in the 2006 plan to 49 (27.2%) in the 2021 Plan, and has remained more or less static for the last decade.

Figure 23

Number of Majority- Black House Districts by Plan –2000 to 2021

House Plans	Statewide Majority-Black Districts	Metro Atlanta Majority-Black Districts
1990s Plan – 2000 Census	37	22
2006 Plan – 2010 Census	45	30
2012 Plan – 2010 Census	48	32
2015 Plan – 2020 Census	47	31
2021 Plan – 2020 Census	49	33

92. Since the enactment of the 2006 Plan, just three majority-Black districts have been added in Metro Atlanta, even as the Black population in the 29-county area has climbed by over 400,00 persons—the equivalent of nearly seven House districts based on the 2020 ideal district size.

93. Despite the nominal increase in majority-Black House districts since 2006, **Figure 24** reveals that the percentage of Black Georgians of voting age in

majority-Black House districts is only slightly higher than in the 1990s (52% vs. 45%). Under the 2021 Plan, the percentage of the NH White population in majority-White districts is down from the 1990s (76% vs. 90%). Still, as with the Senate, given the 25-point Black-White gap, Black populations are disproportionately "cracked" or divided into majority-White districts in the House as well.

Figure 24

Same Race VAP in Majority-Black and Majority NH White Districts– 2000 to 2021

House Plans	Statewide % Black VAP in Majority-Black Districts*	Statewide %NH White VAP in Majority-White Districts
1990s Plan – 2000 Census	44.81%	90.49%
2006 Plan – 2010 Census	44.61%	83.73%
2015 Plan – 2020 Census	47.94%	77.6%
2021 Plan – 2020 Census	51.65%	76.16%

*Including Districts that are both BVAP- and BCVAP-majority.

B. 2015 Benchmark House Plan

94. The map in **Figure 25** displays 2015 Benchmark House Plan districts in south Metro Atlanta (Region A) and in the eastern and western Black Belt (Regions B and C). Labels on the map display the district number and the BVAP percentages, according to the 2020 Census. Green labels and borders identify majority-Black districts.

Figure 25: *2015 Benchmark House Plan – Regions A, B, and C*

95. The map depicted in **Figure 25** is also included as **Exhibit U**.

96. **Exhibit V-1** contains a map packet depicting the Benchmark 2015 House Plan, with corresponding Census 2010 statistics, prepared by GLCRO. **Exhibit V-2** shows the map for the prior 2012-enacted House plan, and **Exhibit V-3** shows the map for the House plan enacted in 2006.

97. **Exhibit W-1** is a table reporting Census 2020 population statistics for the 180 districts in the 2015 Benchmark House Plan, as well as CVAP estimates

from the 5-year 2015-2019 Special Tabulation.[23] **Exhibits W-2** and **W-3** provide similar population information for the prior, 2012-enacted and 2006-enacted plans.

98. As a result of the dramatic population shifts in Georgia since 2010, the 2015 Benchmark House Plan is severely malapportioned, with an overall deviation of 56.66%, according to the 2020 Census.

99. The 2015 Benchmark House Plan contains 47 majority-Black districts, with 48 BCVAP-majority districts and 62 districts that are B+L+ACVAP majority.

100. For comparison with the Illustrative House Plan, additional 2015 Benchmark House Plan information regarding compactness scores, county splits, VTD splits, and incumbent conflicts is reported *infra*.

C. 2021 House Plan

101. The map in **Figure 26** displays 2021 House Plan districts in south Metro Atlanta (Region A) and in the eastern and western Black Belt (Regions B and C). Green labels and borders identify majority-Black districts.

[23] https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html.

Figure 26: *2021 Plan – Regions A, B, and C*

102. A version of **Figure 26** is included as **Exhibit X**.

103. **Exhibit Y-1** contains a map packet depicting the 2021 House Plan, with corresponding Census 2020 statistics, prepared by GLCRO. **Exhibit Y-2** is a table reporting Census 2020 population statistics for the 180 districts in the 2021 House Plan, as well as CVAP estimates from the 5-year 2015-2019 Special Tabulation.

104. The 2021 House Plan contains 49 majority-Black districts, with 49 BCVAP-majority districts, and 47 that are both BVAP and BCVAP-majority. Sixty-two districts in the 2021 House Plan are majority B+L+ACVAP.

105. For comparison, additional 2021 House Plan information regarding compactness scores, county splits, VTD splits, and incumbent conflicts is reported *infra*.

VI. ILLUSTRATIVE HOUSE PLAN

A. Statewide

106. The map in **Figure 27** displays Illustrative House Plan districts, with the map zoomed to identify additional majority Black districts (large green labels) in south Metro Atlanta (Region A) and in the Black Belt (Regions B and C).

Exhibit Z-1 is a higher resolution version of the **Figure 27** map.

Figure 27: *Illustrative Plan – New Majority-Black Districts –73, 110, 111, 144, and 153*

107. **Exhibit Z-2** is a table reporting Census 2020 population statistics for the 180 districts in the Illustrative House Plan, as well as CVAP estimates from the 5-year 2015-2019 Special Tabulation.[24]

108. The Illustrative House Plan contains 54 majority-Black districts (BVAP), with 54 majority-BCVAP districts and 53 that are both BVAP and BCVAP-majority. Sixty-nine districts in the Illustrative House Plan are majority B+L+ACVAP.

109. **Exhibit AA** contains detailed maps for the 53 districts that are both BVAP and BCVAP-majority under the Illustrative House Plan, including the additional majority-Black districts in the Illustrative Plan.

B. Additional Majority Black Districts in the Illustrative Plan

110. The text descriptions of four of the additional majority-Black districts in the Illustrative House Plan set forth below are illustrated with paired comparison map exhibits, depicting the Illustrative House Plan and 2021 House Plan at the same scale. For ease of reference, these side-by-side pairings are also included in Exhibits as marked below.

[24] https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html.

111. In these maps, majority-Black districts are outlined with bold green boundaries and green labels.

(1) South Metro Atlanta (Region A)

Illustrative District 73 (**Exhibit AB-1**) & 2021 Plan District 74 (**Exhibit AB-2**)

Figure 28: *Illustrative Plan District 73 and Vicinity*

112. House District 74 in the 2021 House Plan lies in the south Atlanta Metro area and includes parts of Fayette, Spalding, and Henry Counties. The BVAP of the district as drawn is under 26%.

Figure 29: *2021 Plan District 74 and Vicinity*

113. An additional majority-Black House District could have been drawn in that area by "unpacking" the Black population in (among others) 2021 House Plan District 78 (which stretches into Clayton County) and "uncracking" the Black population in House Districts 74 and 117, both of which include counties such as Henry County that have seen substantial Black population growth and are now themselves majority Black. Unpacking those districts allows a majority-Black

Illustrative House Plan District 73 to be drawn in Henry, Spalding, and a neighboring part of Clayton County.[25]

Illustrative District 110 (**Exhibit AC-1**) & 2021 Plan District 117 (**Exhibit AC-2**)

Figure 30: *Illustrative Plan: District 110 and vicinity*

114. At least one additional majority-Black House district can be drawn around where House District 117 in the 2021 House Plan was drawn. House

[25] As shown on the **Figure 28** map, Illustrative House Plan District 109 in Henry and Clayton Counties is majority-BVAP (55.9%), but is just barely below the 50% BCVAP threshold (49.97% BCVAP).

District 117 in the 2021 House Plan lies in the south Atlanta Metro area and includes parts of Henry and Spalding Counties. The BVAP of the district as drawn is just under 37%, and the BVAP of the neighboring district that includes the rest of Spalding County, District 134, is just almost 34%.

Figure 31: *2021 Plan: District 117 and Vicinity*

115. At least one additional majority-Black House District could have been drawn in that area by (among other things) "unpacking" the Black population in 2021 House Plan District 116 (which includes part of Henry County just to the north, closer in to the center of the Metro Atlanta area) and "uncracking" the Black

populations in House Districts 117 and 134, bringing more of the growing Black populations in Henry and Spalding Counties into majority-Black districts. Unpacking those districts allows, among other things, for a majority-Black Illustrative House Plan District 110 to be drawn in Henry and Spalding.[26]

[26] The Illustrative House Plan includes another majority-Black district, which could be characterized as District 111, in Henry County, or District 112, in the area around Newton County near where 2021 House Plan District 114 was drawn. District 112 could have been drawn by "unpacking" the Black population in (among others) House District 92 (which includes parts of Rockdale and Dekalb counties) and thus "uncracking" the Black population in House District 114. Both districts are depicted in the **Exhibit AA** series.

(2) Eastern Black Belt (Region B)

Illustrative Plan District 144 (**Exhibit AD-1**) and 2021 Plan (**Exhibit AD-2**)

Figure 32: *Illustrative Plan: District 144 and Vicinity*

116. Another additional majority-Black House District could have been drawn in the area in and outside Augusta, including a number of Black Belt-area counties such as Baldwin, Wilkinson, and Taliaferro Counties that are included in non-majority-Black districts under the 2021 House Plan. In the 2021 House Plan, the area in and around Augusta includes five majority-Black districts: Districts 129 and 130 (both in Augusta entirely within

Richmond County), as well as Districts 128, 131, and 132.

Figure 33: *2021 Plan: Districts 133, 149 and eastern Black Belt*

117. An additional majority-Black district could have been drawn in this area by (among other things) "unpacking" the Black populations of those majority-Black districts in the 2021 House Plan and also "uncracking" parts of other districts in the 2021 House Plan, such as District 133 (which includes parts of Baldwin County and Milledgeville) and 155 (which includes Wilkinson County), where there are substantial populations of Black voters who have been drawn into districts with BVAPs of between 35 and 40%. Looking at the Augusta region as a whole, it is

possible to draw six total majority-Black districts, as with Illustrative House Plan Districts 124, 125, 126, 127, 128, and 144. Illustrative House Plan District 144, in particular, includes substantial number of Black voters from the Augusta region who are spread across non-majority-Black districts in the 2021 House Plan.

(3) Western Black Belt (Region C)

Illustrative District 153 (**Exhibit AE-1**) and 2021 Plan District 171 (**Exhibit AE-2**)

Figure 34: *Illustrative Plan: District 153 and vicinity*

118. An additional majority-Black House District could also have been drawn in the area south of Albany, including Dougherty, Mitchell, and Thomas

Counties, all of which are in the southwestern portion of the Black Belt, near where House District 171 in the 2021 House Plan was drawn. The BVAP of 2021 House Plan District 171, which contains Mitchell County, is just under 40%. In addition, the BVAP of neighboring 2021 House Plan District 173, which includes Thomas County, is similarly just over 36%. And nearby Dougherty County, which contains the majority-Black City of Albany, is split among four districts in the 2021 House Plan, two of which (2021 House Plan Districts 151 and 152) have no Black majority, and one of which (2021 House Plan District 153) is nearly 70% Black.

Figure 35: *2021 Plan: District 151, 153, 171 and Vicinity*

119. In sum, another additional majority-Black House District could have drawn in southwest Georgia by "unpacking" the Black population in 2021 House Plan District 153 and "uncracking" the Black populations in 2021 House Plan Districts 171 and 173. Unpacking those districts allows a majority-Black Illustrative House Plan District 153 to be drawn including part of Dougherty, Mitchell, and Thomas Counties.

120. Looking at the southwest Georgia/western Black Belt region as a whole, it is possible to draw seven total majority-Black districts, as with Illustrative House Plan Districts 135, 136, 138, 139, 151, 153, and 154. However, the 2021 House Plan contains only six: 2021 House Plan Districts 137, 140, 141, 150, 153, and 154.

C. Supplemental Plan Information

121. Compactness scores for the Illustrative House Plan are within the norm. **Exhibits BB-1** contains compactness scores generated by Maptitude for all districts in the Illustrative House Plan, alongside scores for the 2015 Benchmark House Plan (**Exhibit BB-2**) and the 2021 House Plan (**Exhibit BB-3**).

122. The table in **Figure 36** (condensed from the **Exhibit BB** series) reports Reock and Polsby-Popper scores for the Illustrative House Plan, alongside scores for the 2015 Benchmark House Plan and the 2021 House Plan.

Figure 36

Compactness Scores – Illustrative House Plan vs 2014 Benchmark and 2021 House Plans

	Reock			Polsby-Popper	
	Mean	Low		Mean	Low
Illustrative House Plan	.39	.16		.27	.11
2014 Benchmark House Plan	.39	.13		.27	.09
2021 House Plan	.39	.12		.28	.10

123. In my experience, the compactness scores for the Illustrative Plan are clearly within the normal range for a state legislative plan.

124. County and VTD splits are also within the norm for a typical legislative plan. The table in **Figure 37** summarizes county and 2020 VTD splits under the Illustrative Plan, the 2015 Plan, and the 2021 Plan.

Figure 37

County and VTD Splits – Illustrative Plan vs 2006 and 2015 Plans

	County Splits (Populated)	Unique County-District Combinations	2020 VTD Splits (Populated)
Illustrative House Plan	74	206	262
2015 Benchmark House Plan	73	215	232
2021 House Plan	70	211	179

125. **Exhibit AF-1** contains a county and VTD split report generated by Maptitude for all districts in the Illustrative House Plan. *See also* **Exhibit AF-2** (2015 Benchmark House Plan) and **Exhibit AF-3** (2021 House Plan).

126. Based on incumbent address information obtained from the Redistricting Data Hub[27], the following 8 districts in the Illustrative House Plan may have incumbent conflicts: 015, 029, 138, 141, 148, 149, 154, and 173.

127. Based on incumbent address information obtained from the Redistricting Data Hub, the following 15 districts in the 2021 House Plan may have incumbent conflicts: 019, 021, 031, 045, 054, 062, 087, 100, 101, 106, 118, 132, 133, 154, and 176.

128. **Exhibit AG-1** contains a table showing the district number for all Senate incumbents under the 2014 Benchmark, 2021, and Illustrative Senate Plans. **Exhibit AG-2** contains a table showing the district number for all House incumbents under the 2015 Benchmark, 2021, and Illustrative House Plans

D. Illustrative Plan – Online Interactive Map

129. The Illustrative Plan can also be viewed online in detail on the *Dave's Redistricting Application* (DRA) website via the link below.

https://davesredistricting.org/join/360e975b-5f46-47f3-bb2e-37385155f028

[27] https://redistrictingdatahub.org/dataset/2021-ga-state-senate-incumbent-addresses/.

# # #

I reserve the right to continue to supplement my declaration in light of additional facts, testimony and/or materials that may come to light.

Pursuant to 28 U.S.C. § 1746, I declare under penalty of perjury of the laws of the United States that the foregoing is true and correct according to the best of my knowledge, information and belief.

Executed on January 7, 2022:

WILLIAM S. COOPER

October 31, 2021

William S. Cooper
P.O. Box 16066
Bristol, VA 24209
276-669-8567
bcooper@msn.com

Summary of Redistricting Work

I have a B.A. in Economics from Davidson College in Davidson, North Carolina.

Since 1986, I have prepared proposed redistricting maps of approximately 750 jurisdictions for Section 2 litigation, Section 5 comment letters, and for use in other efforts to promote compliance with the Voting Rights Act of 1965. I have analyzed and prepared election plans in over 100 of these jurisdictions for two or more of the decennial censuses – either as part of concurrent legislative reapportionments or, retrospectively, in relation to litigation involving many of the cases listed below.

From 1986 to 2020, I have prepared election plans for Section 2 litigation in Alabama, Connecticut, Florida, Georgia, Louisiana, Maryland, Mississippi, Missouri, Montana, Nebraska, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Washington, and Wyoming.

Post-2010 Redistricting Experience

Since the release of the 2010 Census in February 2011, I have developed statewide legislative plans on behalf of clients in nine states (Alabama, Connecticut, Florida, Georgia, Kentucky, Mississippi, South Carolina, Texas, and Virginia), as well as over 150 local redistricting plans in approximately 30 states – primarily for groups working to protect minority voting rights. In addition, I have prepared congressional plans for clients in eight states (Alabama, Florida, Georgia, Louisiana, Maryland, Ohio, Pennsylvania, South Carolina, and Virginia).

In March 2011, I was retained by the Sussex County, Virginia Board of Supervisors and the Bolivar County, Mississippi Board of Supervisors to draft new district plans based on the 2010 Census. In the summer of 2011, both counties received Section 5 preclearance from the U.S. Department of Justice (DOJ).

Also in 2011, I was retained by way of a subcontract with Olmedillo X5 LLC to assist with redistricting for the Miami-Dade County, Florida Board of Commissioners and the Miami-Dade, Florida School Board. Final plans were adopted in late 2011 following public hearings.

In the fall of 2011, I was retained by the City of Grenada, Mississippi to provide redistricting services. The ward plan I developed received DOJ preclearance in March 2012.

In 2012 and 2013, I served as a redistricting consultant to the Tunica County, Mississippi Board of Supervisors and the Claiborne County, Mississippi Board of Supervisors.

In *Montes v. City of Yakima* (E.D. Wash. Feb. 17, 2015) the court adopted, as a remedy for the Voting Rights Act Section 2 violation, a seven single-member district plan that I developed for the Latino plaintiffs. I served as the expert for the Plaintiffs in the liability and remedy phases of the case.

In *Pope v. Albany County* (N.D.N.Y. Mar. 24, 2015), the court approved, as a remedy for a Section 2 violation, a plan drawn by the defendants, creating a new Black-majority district. I served as the expert for the Plaintiffs in the liability and remedy phases of the case.

In 2016, two redistricting plans that I developed on behalf of the plaintiffs for consent decrees in Section 2 lawsuits in Georgia were adopted (*NAACP v. Fayette County, Georgia* and *NAACP v. Emanuel County, Georgia).*

In 2016, two federal courts granted summary judgment to the plaintiffs based in part on my *Gingles 1* testimony: *Navajo Nation v. San Juan County, Utah* (C.D. Utah 2016) and NAACP v. *Ferguson-Florissant School District, Missouri* (E. D. Mo. August 22, 2016).

Also in 2016, based in part on my analysis, the City of Pasco, Washington admitted to a Section 2 violation. As a result, in *Glatt v. City of Pasco* (E.D. Wash. Jan. 27, 2017), the court ordered a plan that created three Latino majority single-member districts in a 6 district, 1 at-large plan.

In 2018, I served as the redistricting consultant to the Governor Wolf interveners at the remedial stage of *League of Women Voters, et al. v. Commonwealth of Pennsylvania*.

In August 2018, the Wenatchee City Council adopted a hybrid election plan that I developed – five single-member districts with two members at-large. The Wenatchee election plan is the first plan adopted under the Washington Voting Rights Acts of 2018.

In February 2019, a federal court ruled in favor of the plaintiffs in a Section 2 case regarding Senate District 22 in Mississippi, based in part on my *Gingles* 1 testimony in *Thomas v. Bryant (S.D. Ms. Feb 16, 2019).*

In the summer of 2019, I developed redistricting plans for the Grand County (Utah) Change of Form of Government Study Committee.

In the fall of 2019, a redistricting plan I developed for a consent decree involving the Jefferson County, Alabama Board of Education was adopted *Traci Jones, et al. v. Jefferson County Board of Education, et al*.

In May 2020, a federal court ruled in favor of the plaintiffs in a Section 2 case in *NAACP et al. v. East Ramapo Central School District, NY,* based in part on my *Gingles* 1 testimony. In October 2020, the federal court adopted a consent decree plan I developed for elections to be held in February 2021.

In May and June of 2020, I served as a consultant to the City of Quincy, Florida – the Defendant in a Section 2 lawsuit filed by two Anglo voters (*Baroody v. City of Quincy*). The federal court for the Northern District of Florida ruled in favor of the Defendants. The Plaintiffs voluntarily dismissed the case.

In the summer of 2020, I provided technical redistricting assistance to the City of Chestertown, Maryland.

I am currently a redistricting consultant and expert for the plaintiffs in *Jayla Allen v. Waller County, Texas.* I testified remotely at trial in October 2020.

Since 2011, I have served as a redistricting and demographic consultant to the Massachusetts-based Prison Policy Initiative for a nationwide project to end prison-based gerrymandering. I have analyzed proposed and adopted election plans in about 25 states as part of my work.

In 2018 (Utah) and again in 2020 (Arizona), I have provided technical assistance to the Rural Utah Project for voter registration efforts on the Navajo Nation Reservation.

Post-2010 Demographics Experience

My trial testimony in Section 2 lawsuits usually includes presentations of U.S. Census data with charts, tables, and/or maps to demonstrate socioeconomic disparities between non-Hispanic Whites and racial or ethnic minorities.

I served as a demographic expert for plaintiffs in four state-level voting cases related to the Covid-19 pandemic (South Carolina, Alabama, and Louisiana) and state court in North Carolina.

I have also served as an expert witness on demographics in non-voting trials. For example, in an April 2017 opinion in *Stout v. Jefferson County Board of Education* (Case no.2:65-cv-00396-MHH), a school desegregation case involving the City of Gardendale,

Ala., the court made extensive reference to my testimony.

I provide technical demographic and mapping assistance to the Food Research and Action Center (FRAC) in Washington D.C and their constituent organizations around the country. Most of my work with FRAC involves the Summer Food Program and Child and Adult Care Food Program. Both programs provide nutritional assistance to school-age children who are eligible for free and reduced price meals. As part of this project, I developed an online interactive map to determine site eligibility for the two programs that has been in continuous use by community organizations and school districts around the country since 2003. The map is updated annually with new data from a Special Tabulation of the American Community Survey prepared by the U.S. Census Bureau for the Food and Nutrition Service of the U.S. Department of Agriculture.

Historical Redistricting Experience

In the 1980s and 1990s, I developed voting plans in about 400 state and local jurisdictions – primarily in the South and Rocky Mountain West. During the 2000s and 2010s, I prepared draft election plans involving about 350 state and local jurisdictions in 25 states. Most of these plans were prepared at the request of local citizens' groups, national organizations such as the NAACP, tribal governments, and for Section 2 or Section 5 litigation.

Election plans I developed for governments in two counties – Sussex County, Virginia and Webster County, Mississippi – were adopted and precleared in 2002 by the U.S. Department of Justice. A ward plan I prepared for the City of Grenada, Mississippi was precleared in August 2005. A county supervisors' plan I produced for Bolivar County, Mississippi was precleared in January 2006.

In August 2005, a federal court ordered the State of South Dakota to remedy a

Section 2 voting rights violation and adopt a state legislative plan I developed (*Bone Shirt v. Hazeltine*).

A county council plan I developed for Native American plaintiffs in a Section 2 lawsuit (*Blackmoon v. Charles Mix County*) was adopted by Charles Mix County, South Dakota in November 2005. A plan I drafted for Latino plaintiffs in Bethlehem, Pennsylvania (*Pennsylvania Statewide Latino Coalition v. Bethlehem Area School District*) was adopted in March 2009. Plans I developed for minority plaintiffs in Columbus County, North Carolina and Montezuma- Cortez School District in Colorado were adopted in 2009.

Since 1986, I have testified at trial as an expert witness on redistricting and demographics in federal courts in the following voting rights cases (approximate most recent testimony dates are in parentheses). I also filed declarations and was deposed in most of these cases.

Alabama
Chestnut v Merrill (2019)
Alabama State Conference of the NAACP v. Alabama (2018)
Alabama Legislative Black Caucus et al. v. Alabama et al. (2013)

Colorado
Cuthair v. Montezuma-Cortez School Board (1997)

Florida
Baroody v. City of Quincy (2020)

Georgia
Cofield v. City of LaGrange (1996)
Love v. Deal (1995)
Askew v. City of Rome (1995)
Woodard v. Lumber City (1989)

Louisiana
Terrebonne Parish NAACP v. Jindal, et al. (2017)
Wilson v. Town of St. Francisville (1996)
Reno v. Bossier Parish (1995)
Knight v. McKeithen (1994)

Maryland
Cane v. Worcester County (1994

Mississippi

Thomas v. Bryant (2019)
Fairley v. Hattiesburg (2014)
Boddie v. Cleveland School District (2010)
Fairley v. Hattiesburg (2008)
Boddie v. Cleveland (2003)
Jamison v. City of Tupelo (2006)
Smith v. Clark (2002)
NAACP v. Fordice (1999)
Addy v Newton County (1995)
Ewing v. Monroe County (1995)
Gunn v. Chickasaw County (1995)
Nichols v. Okolona (1995)

Montana
Old Person v. Brown (on remand) (2001)
Old Person v. Cooney (1998)

Missouri
Missouri NAACP v. Ferguson-Florissant School District (2016)

Nebraska
Stabler v. Thurston County (1995)

New York
NAACP v. East Ramapo Central School District (2020)
Pope v. County of Albany (2015)
Arbor Hills Concerned Citizens v. Albany County (2003)

Ohio
A. Philip Randolph Institute, et al. v. Ryan (2019)

South Carolina
Smith v. Beasley (1996)

South Dakota
Bone Shirt v. Hazeltine (2004)
Cottier v. City of Martin (2004)

Tennessee
Cousins v. McWherter (1994)
Rural West Tennessee African American Affairs Council v. McWherter (1993)

Texas
Jayla Allen v. Waller County, Texas

Utah
*Navajo Nation v. San Juan County (2017),*brief testimony –11 declarations, 2 depositions

Virginia
Smith v. Brunswick County (1991)
Henderson v. Richmond County (1988)
McDaniel v. Mehfoud (1988)
White v. *Daniel (1989)*

Wyoming
Large v. Fremont County (2007)

In addition, I have filed expert declarations or been deposed in the following cases that did not require trial testimony. The dates listed indicate the deposition date or date of last declaration or supplemental declaration:

Alabama
People First of Alabama v. Merrill (2020), Covid-19 demographics only
Alabama State NAACP v. City of Pleasant Grove (2019)
James v. Jefferson County Board of Education (2019)
Voketz v. City of Decatur (2018)

Arkansas
Mays v. Thurston (2020)-- Covid-19 demographics only)

Connecticut
NAACP v. Merrill (2020)

Florida
Florida State Conference of the NAACP v. Lee, et al, (2021)
Calvin v. Jefferson County (2016)
Thompson v. Glades County (2001)
Johnson v. DeSoto County (1999)
Burton v. City of Belle Glade (1997)

Georgia
Dwight v. Kemp (2018)
Georgia NAACP et al. v. Gwinnett County, GA (2018
Georgia State Conference NAACP et al v. Georgia (2018)
Georgia State Conference NAACP, et al. v. Fayette County (2015)
Knighton v. Dougherty County (2002)
Johnson v. Miller (1998)

Jones v. Cook County (1993)

Kentucky
Herbert v. Kentucky State Board of Elections (2013)

Louisiana
Power Coalition for Equity and Justice v. Edwards (2020), Covid-19 demographics only
Johnson v. Ardoin (2019
NAACP v. St. Landry Parish Council (2005)
Prejean v. Foster (1998)
Rodney v. McKeithen (1993)

Maryland
Benisek v. Lamone (2017)
Fletcher v. Lamone (2011)

Mississippi
Partee v. Coahoma County (2015)
Figgs v. Quitman County (2015)
West v. Natchez (2015)
Williams v. Bolivar County (2005)
Houston v. Lafayette County (2002)
Clark v. Calhoun County (on remand)(1993)
Teague v. Attala County (on remand)(1993)
Wilson v. Clarksdale (1992)
Stanfield v. Lee County(1991)

Montana
Alden v. Rosebud County (2000)

North Carolina
Lewis v. Alamance County (1991)
Gause v. Brunswick County (1992)
Webster v. Person County (1992)

Rhode Island
Davidson v. City of Cranston (2015)

South Carolina
Thomas v. Andino (2020), Covid-19 demographics only
Vander Linden v. Campbell (1996

South Dakota
Kirkie v. Buffalo County (2004
Emery v. Hunt (1999)

Tennessee
NAACP v. Frost, et al. (2003)

Virginia
Moon v. Beyer (1990)

Washington
Glatt v. City of Pasco (2016)
Montes v. City of Yakima (2014

# # #

EXHIBIT B

Exhibit B – Methodology and Sources

1. In the preparation of this report, I analyzed population and geographic data from the Decennial Census and the American Community Survey.

2. For my redistricting analysis, I used a geographic information system (GIS) software package called *Maptitude for Redistricting*, developed by the Caliper Corporation. This software is deployed by many local and state governing bodies across the country for redistricting and other types of demographic analysis.

3. The geographic boundary files that I used with *Maptitude* are created from the U.S. Census 1990-2010 TIGER (Topologically Integrated Geographic Encoding and Referencing) files.

4. I used population data from the 1990-2020 PL 94-171 data files published by the U.S. Census Bureau. The PL 94-171 dataset is published in electronic format and is the complete count population file designed by the Census Bureau for use in legislative redistricting. The file contains basic race and ethnicity data on the total population and voting-age population found in units of Census geography such as states, counties, municipalities, townships, reservations, school districts, census tracts, census block groups, precincts (called voting districts or "VTDs" by the Census Bureau) and census blocks.

5. I obtained 2020 block-level disaggregated citizenship (2015-19 ACS data from the Redistricting Data Hub.

6. The attorneys for the plaintiffs provided me with incumbent addresses from the Redistricting Data Hub.

7. For my analysis, I also relied on shapefiles for current and historical legislative plans available on the website of the Legislative and Congressional Reapportionment Office.

8. I developed the illustrative plans presented in this report using *Maptitude for Redistricting*, The *Maptitude for Redistricting* software processes the TIGER files to produce a map for display on a computer screen. The software also merges demographic data from the PL 94-171 files to match the relevant decennial Census geography.

9. I also reviewed and used data from the American Community Survey ("ACS") conducted by the Census Bureau – specifically, the 1-year 2019 ACS, the 5-year 2015-2019 ACS, and the 5-year 2015-2019 ACS Special Tabulation of citizen population and voting age population by race and ethnicity (prepared by the Census Bureau for the U.S. Department of Justice) and available from the link below:

https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html

# # #

EXHIBIT C

Georgia: 2020 Core Based Statistical Areas and Counties

Statistical area titles and boundary delineations are based on March 2020 delineation files released by the U.S. Office of Management and Budget. All other names and boundaries are as of January 1, 2020.

U.S. Census Bureau, Population Division

EXHIBIT D

Appendix A: Sample Selection

This analysis relied on three measures to select the Black Belt school systems: historical data of enslaved labor, current enrollments of Black students and current enrollments of students living in poverty. School systems were considered if they had one of the following criteria: a majority-Black student population, majority of students living in poverty and a history of enslaved labor. Enslaved labor data is based on the 1860 U.S. Census data of the distribution of enslaved populations. A review of the data showed a normal distribution of enslaved people as a portion of the population except for a dip in the number of counties with 30 to 39 percent enslaved. The following chart displays the drop in enslaved populations and the subsequent increase in the number of counties that held 40 to 49 percent enslaved people.

Source: Distribution of Slave Population of the Southern States of the United States, U.S. Census, 1861

This sharp increase of counties and cities that contained more than 40 percent of their population enslaved made for a natural threshold for this analysis. This analysis considered all school systems that currently operate in an area that previously had enslaved people greater than 40 percent of the population as having a history of slavery.

School systems that met two of the criteria were included in the selection. Of the remaining systems, the current enrollment had to exceed 30 percent Black and 30

percent living in poverty. This threshold made it possible that even if the school system were not majority Black, Black students might represent a plurality of the student body. Metro Atlanta school systems were excluded due to the unique challenges and opportunities that come with educating in the region. A table with the data is below, with Black Belt districts highlighted.

System Name	Slave Population (1860)	Percent Black (2018)	Percent in Poverty (2018)
Appling County	18%	23%	44%
Atkinson County	23%	16%	43%
Atlanta Public Schools	17%	74%	52%
Bacon County	18%	22%	43%
Baker County	70%	64%	68%
Baldwin County	55%	66%	53%
Banks County	23%	2%	28%
Barrow County	32%	13%	25%
Bartow County	27%	10%	26%
Ben Hill County	15%	42%	48%
Berrien County	13%	12%	40%
Bibb County	42%	73%	55%
Bleckley County	47%	26%	37%
Brantley County	20%	3%	40%
Bremen City	8%	6%	13%
Brooks County	52%	53%	54%
Bryan County	59%	16%	14%
Buford City	20%	11%	15%
Bulloch County	38%	37%	39%
Burke County	71%	65%	52%
Butts County	48%	32%	41%
Calhoun City	21%	6%	23%
Calhoun County	56%	93%	74%
Camden County	77%	22%	27%
Candler County	27%	29%	46%
Carroll County	16%	17%	29%
Carrollton City	16%	33%	29%
Cartersville City	27%	23%	24%
Catoosa County	14%	3%	23%
Charlton County	31%	29%	38%

System Name	Slave Population (1860)	Percent Black (2018)	Percent in Poverty (2018)
Chatham County	49%	57%	40%
Chattahoochee County	48%	27%	32%
Chattooga County	29%	9%	44%
Cherokee County	11%	8%	10%
Chickamauga City	15%	0%	11%
Clarke County	51%	49%	46%
Clay County	46%	95%	74%
Clayton County	28%	70%	42%
Clinch County	15%	34%	46%
Cobb County	27%	31%	15%
Coffee County	23%	31%	45%
Colquitt County	8%	27%	49%
Columbia County	70%	20%	15%
Commerce City	32%	11%	27%
Cook County	13%	33%	46%
Coweta County	49%	23%	20%
Crawford County	56%	22%	40%
Crisp County	46%	58%	50%
Dade County	10%	1%	22%
Dalton City	17%	5%	18%
Dawson County	9%	1%	22%
Decatur City	26%	21%	9%
Decatur County	50%	50%	49%
DeKalb County	26%	62%	41%
Dodge County	47%	35%	45%
Dooly County	46%	72%	52%
Dougherty County	73%	89%	64%
Douglas County	24%	53%	28%
Dublin City	47%	91%	72%
Early County	66%	70%	59%
Echols County	21%	2%	52%
Effingham County	46%	15%	20%
Elbert County	55%	34%	42%
Emanuel County	26%	42%	53%
Evans County	27%	35%	54%

System Name	Slave Population (1860)	Percent Black (2018)	Percent in Poverty (2018)
Fannin County	3%	0%	31%
Fayette County	29%	28%	11%
Floyd County	39%	7%	28%
Forsyth County	12%	4%	6%
Franklin County	18%	10%	36%
Fulton County	17%	42%	23%
Gainesville City	14%	18%	35%
Gilmer County	3%	0%	26%
Glascock County	31%	8%	29%
Glynn County	73%	35%	38%
Gordon County	21%	2%	28%
Grady County	58%	34%	46%
Greene County	67%	47%	41%
Gwinnett County	20%	32%	20%
Habersham County	13%	2%	29%
Hall County	14%	5%	23%
Hancock County	68%	96%	63%
Haralson County	8%	2%	40%
Harris County	56%	16%	16%
Hart County	25%	23%	36%
Heard County	36%	9%	36%
Henry County	42%	53%	25%
Houston County	69%	38%	30%
Irwin County	15%	32%	42%
Jackson County	32%	6%	25%
Jasper County	65%	23%	41%
Jeff Davis County	23%	15%	43%
Jefferson City	32%	8%	13%
Jefferson County	59%	68%	56%
Jenkins County	71%	52%	55%
Johnson County	29%	42%	50%
Jones County	66%	25%	29%
Lamar County	47%	32%	37%
Lanier County	30%	25%	43%
Laurens County	47%	29%	39%

System Name	Slave Population (1860)	Percent Black (2018)	Percent in Poverty (2018)
Lee County	52%	21%	28%
Liberty County	73%	53%	36%
Lincoln County	69%	38%	40%
Long County	74%	26%	38%
Lowndes County	46%	22%	28%
Lumpkin County	9%	1%	28%
Macon County	58%	81%	53%
Madison County	34%	9%	33%
Marietta City	27%	39%	23%
Marion County	48%	34%	42%
McDuffie County	70%	55%	52%
McIntosh County	74%	42%	44%
Meriwether County	57%	58%	45%
Miller County	36%	38%	46%
Mitchell County	37%	59%	54%
Monroe County	64%	24%	38%
Montgomery County	33%	32%	56%
Morgan County	70%	26%	30%
Murray County	20%	0%	29%
Muscogee County	45%	58%	40%
Newton County	45%	56%	40%
Oconee County	51%	4%	9%
Oglethorpe County	65%	17%	33%
Paulding County	8%	24%	19%
Peach County	56%	51%	46%
Pelham City	37%	56%	55%
Pickens County	5%	1%	24%
Pierce County	12%	9%	33%
Pike County	47%	8%	21%
Polk County	39%	14%	42%
Pulaski County	47%	40%	50%
Putnam County	71%	37%	47%
Quitman County	47%	72%	57%
Rabun County	6%	1%	33%
Randolph County	47%	96%	66%

System Name	Slave Population (1860)	Percent Black (2018)	Percent in Poverty (2018)
Richmond County	40%	74%	52%
Rockdale County	45%	67%	39%
Rome City	39%	35%	38%
Schley County	51%	16%	26%
Screven County	55%	47%	47%
Seminole County	50%	41%	50%
Social Circle City	42%	22%	29%
Spalding County	44%	47%	45%
Stephens County	13%	13%	40%
Stewart County	59%	95%	61%
Sumter County	52%	72%	57%
Talbot County	63%	91%	53%
Taliaferro County	63%	77%	61%
Tattnall County	27%	25%	46%
Taylor County	40%	41%	42%
Telfair County	31%	41%	52%
Terrell County	46%	93%	74%
Thomas County	58%	35%	41%
Thomaston-Upson County	49%	35%	42%
Thomasville City	58%	57%	41%
Tift County	23%	35%	44%
Toombs County	27%	18%	54%
Towns County	4%	1%	29%
Treutlen County	33%	40%	47%
Trion City	29%	1%	15%
Troup County	62%	43%	36%
Turner County	23%	63%	57%
Twiggs County	65%	62%	55%
Union County	3%	0%	24%
Valdosta City	46%	75%	59%
Vidalia City	27%	50%	43%
Walker County	15%	6%	30%
Walton County	42%	23%	27%
Ware County	17%	36%	48%
Warren County	55%	91%	67%

System Name	Slave Population (1860)	Percent Black (2018)	Percent in Poverty (2018)
Washington County	52%	64%	50%
Wayne County	28%	22%	41%
Webster County	46%	44%	45%
Wheeler County	33%	36%	49%
White County	8%	2%	30%
Whitfield County	17%	1%	20%
Wilcox County	20%	34%	44%
Wilkes County	70%	51%	49%
Wilkinson County	42%	55%	52%
Worth County	23%	34%	46%

Source: Institute of Taxation and Economic Policy, February 2019; "Who Pays? A Distributional Analysis of the Tax Systems in All 50 States," Institute on Taxation and Economic Policy, October 2018

Appendix B: Methods

This analysis focuses on K-12 public education funding and outcomes as a measure of the state's responsibility to its citizens. Schools operate in a complex environment of federal and state laws and local district decisions. The state constitution outlines the ultimate responsibility for public education, however.

For decades school finance experts studied state funding systems by comparing inputs, or investments, meaning that two similar students, regardless of the location of their schools, should be provided similar funding amounts.[47] Additionally, if there were notable differences between students that affected the school program each would require, then different funding amounts might also be required. It is for this very reason that students with disabilities are provided more funding than students without disabilities.[48] This focus on inputs led to the *McDaniel* case mentioned in the report's timeline. The *McDaniel* case was a primary driver for state policymakers to draft and pass the Quality Basic Education Act, an overhaul to the state's education funding formula, in 1985.[49]

More recently, education finance has been analyzed through outputs, or outcomes. Instead of solely judging a funding system by the amount of money provided, states have been held accountable for the level of student performance.[50] The question no longer stops at whether funding amounts are equal, but whether they are adequate to produce high levels of learning for students across the state. This analysis considers various inputs such as staffing, budgets and educational opportunities, but the focus remains on outputs.

EXHIBIT E

Georgia
Georgia Counties
Region A
Region B
Region C
Atlanta MSA
% Black by County -- 2020
0.0% to 20.0% (51)
20.0% to 40.0% (67)
40.0% to 60.0% (33)
60.0% to 73.0% (8)
0
30
60
Miles
©2019 CALIPER; ©2018 HERE
Chattanooga
Huntsville
Scottsboro
Fort Payne
Albertville
Gadsden
Jacksonville
Moody
Pell City
Oxford
Talladega
Chelsea
Sylacauga
Alexander City
Auburn
Prattville
Montgomery
Troy
Ozark
Enterprise
Dothan
Crestview
Wright
Tallahassee
Dalton
Calhoun
Rome
Cartersville
Canton
Alpharetta
Roswell
Marietta
Sandy Springs
Atlanta
East Point
Carrollton
Redan
Covington
McDonough
Gainesville
Milledgeville
Macon
Warner Robins
Columbus
Perry
Dublin
Vidalia
Statesboro
Americus
Cordele
Eufaula
Albany
Tifton
Douglas
Waycross
Moultrie
Bainbridge
Thomasville
Valdosta
Savannah
Hinesville
Brunswick
Jesup
Hilton Head Island
Beaufort
Summerville
North Charleston
Charleston
Goose Creek
Georgetown
Saint Marys
Yulee
Gaffney
Spartanburg
Greenville
Easley
Clemson
Anderson
Evergreen Hills
Greenwood
Newberry
Irmo
Columbia
Sumter
Florence
Laurinburg
Monroe
Fort Mill
Rock Hill
Aiken
Augusta
Orangeburg
DADE
CATOOSA
WALKER
MURRAY
FANNIN
UNION
TOWNS
RABUN
GILMER
WHITE
HABERSHAM
GORDON
LUMPKIN
STEPHENS
CHATTOOGA
PICKENS
DAWSON
HALL
BANKS
FRANKLIN
HART
FLOYD
BARTOW
CHEROKEE
FORSYTH
JACKSON
MADISON
ELBERT
POLK
COBB
BARROW
CLARKE
PAULDING
GWINNETT
OGLETHORPE
CONEE
HARALSON
WALTON
WILKES
LINCOLN
DOUGLAS
FULTON
DEKALB
ROCKDALE
CARROLL
NEWTON
MORGAN
GREENE
TALIAFERRO
COLUMBIA
MCDUFFIE
CLAYTON
FAYETTE
HENRY
JASPER
PUTNAM
WARREN
RICHMOND
HEARD
COWETA
SPALDING
BUTTS
HANCOCK
GLASCOCK
TROUP
PIKE
LAMAR
MONROE
JONES
BALDWIN
JEFFERSON
BURKE
WASHINGTON
ERIWETHER
UPSON
BIBB
WILKINSON
JENKINS
SCREVEN
HARRIS
TALBOT
CRAWFORD
TWIGGS
JOHNSON
TAYLOR
PEACH
EMANUEL
MUSCOGEE
BLECKLEY
LAURENS
TREUTLEN
CANDLER
BULLOCH
EFFINGHAM
MARION
MACON
HOUSTON
SCHLEY
PULASKI
DODGE
MONTGOMERY
WHEELER
TOOMBS
EVANS
STEWART
WEBSTER
SUMTER
DOOLY
WILCOX
TATTNALL
BRYAN
LIBERTY
CHATHAM
QUITMAN
TERRELL
CRISP
TELFAIR
JEFF DAVIS
APPLING
LONG
RANDOLPH
LEE
TURNER
BEN HILL
IRWIN
WORTH
COFFEE
BACON
WAYNE
MCINTOSH
CLAY
CALHOUN
DOUGHERTY
BAKER
TIFT
BERRIEN
ATKINSON
PIERCE
EARLY
COLQUITT
BRANTLEY
GLYNN
MILLER
MITCHELL
COOK
WARE
LANIER
CAMDEN
SEMINOLE
GRADY
THOMAS
BROOKS
LOWNDES
CLINCH
CHARLTON
DECATUR
ECHOLS

EXHIBIT F

Regional Commissions

State of Georgia

Georgia® Department of Community Affairs

Effective July 1, 2021

EXHIBIT G-1

County (Metro Atlanta in Bold)	2020 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2010 -2020 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
APPLING	18444	3647	1825	12674	13958	2540	1118	10048	208	164	416	121	5.00%	
ATKINSON	8286	1284	2048	4801	6129	937	1282	3787	-89	-216	184	-103	-9.90%	Douglas,
BACON	11140	1970	875	8103	8310	1245	547	6374	44	182	40	31	2.55%	
BAKER	2876	1178	143	1514	2275	932	77	1235	-575	-459	-375	-291	-23.79%	
BALDWIN	43799	18985	1139	22432	35732	14515	835	19377	-1921	-300	-637	488	3.48%	Milledgeville,
BANKS	18035	589	1164	15578	13900	365	721	12278	-360	103	148	14	3.99%	
BARROW	83505	11907	10560	55582	62195	8222	6726	43241	14138	3287	12417	2553	45.03%	**Atlanta-Sandy Sprin**
BARTOW	108901	13395	10751	80159	83570	9377	6817	63759	8744	2365	10213	2083	28.56%	**Atlanta-Sandy Sprin**
BEN HILL	17194	6537	1054	9219	13165	4745	653	7459	-440	320	199	498	11.73%	Fitzgerald,
BERRIEN	18160	2198	1045	14396	13690	1499	622	11181	-1126	53	-657	66	4.61%	
BIBB	157346	88865	6737	56787	120902	64270	4734	47979	1799	6394	5474	7743	13.70%	Macon-Bibb County,
BLECKLEY	12583	2951	469	8867	9613	2036	311	7032	-480	-682	-501	-672	-24.82%	
BRANTLEY	18021	733	326	16317	13692	470	212	12522	-390	130	174	67	16.63%	Brunswick,
BROOKS	16301	5958	955	9066	12747	4357	635	7483	58	164	354	212	5.11%	Valdosta,
BRYAN	44738	7463	3269	31321	31828	5025	1919	23033	14505	2837	10452	2048	68.79%	Savannah,
BULLOCH	81099	24375	4180	49712	64494	18220	3021	41041	10882	4369	8670	3305	22.16%	Statesboro,
BURKE	24596	11430	777	11941	18778	8362	494	9566	1280	-282	2047	501	6.37%	Augusta-Richmond C
BUTTS	25434	7212	803	16628	20360	5660	559	13510	1779	595	2030	564	11.07%	**Atlanta-Sandy Sprin**
CALHOUN	5573	3629	149	1766	4687	2998	90	1567	-1121	-520	-687	-264	-8.09%	
CAMDEN	54768	11072	3658	37203	41808	7828	2457	29410	4255	508	4947	818	11.67%	St. Marys,
CANDLER	10981	2807	1378	6567	8241	2009	835	5229	-17	76	62	59	3.03%	
CARROLL	119148	24618	9586	80725	90996	17827	6129	63803	8621	3049	8593	2916	19.56%	**Atlanta-Sandy Sprin**
CATOOSA	67872	2642	2341	59280	52448	1684	1492	46578	3930	849	4446	642	61.61%	Chattanoo, TN-
CHARLTON	12518	2798	2036	7532	10135	2147	1971	5929	347	-764	606	-654	-23.35%	
CHATHAM	295291	115458	23790	139433	234715	85178	16551	119161	30163	6030	29594	7835	10.13%	Savannah,
CHATTAHOOCHEE	9565	1825	1610	5403	7199	1287	1160	4212	-1702	-483	-1015	-284	-18.08%	Columbus, -AL
CHATTOOGA	24965	2865	1297	20079	19416	2235	733	15885	-1050	-226	-741	-306	-12.04%	Summerville,
CHEROKEE	266620	21687	32111	197867	202928	14976	20915	156155	52274	7817	47502	6222	71.08%	**Atlanta-Sandy Sprin**
CLARKE	128671	33672	14336	72201	106830	24776	10213	64531	11957	1589	10539	1713	7.43%	Athens-Clarke Count
CLAY	2848	1634	41	1143	2246	1231	19	973	-335	-311	-220	-153	-11.05%	
CLAYTON	297595	216351	42546	25902	220578	158854	27378	23396	38171	40374	36133	37475	30.87%	**Atlanta-Sandy Sprin**
CLINCH	6749	2096	253	4256	5034	1406	156	3372	-49	157	79	151	12.03%	
COBB	766149	223116	111240	369182	591848	166141	74505	303300	78071	42151	80257	41430	33.22%	**Atlanta-Sandy Sprin**

County (Metro Atlanta in Bold)	2020 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2010 -2020 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
COFFEE	43092	12575	5430	24158	32419	9191	3324	19146	736	981	1164	972	11.83%	Douglas,
COLQUITT	45898	10648	8709	25588	34193	7461	5467	20507	400	181	1279	440	6.27%	Moultrie,
COLUMBIA	156010	32516	11858	99111	114823	22273	7355	76070	31957	12635	24580	9062	68.59%	Augusta-Richmond C
COOK	17229	5014	1134	10658	12938	3595	704	8310	17	221	408	325	9.94%	
COWETA	146158	28289	11053	99421	111155	20196	7384	78073	18841	5130	18670	4501	28.68%	**Atlanta-Sandy Sprin**
CRAWFORD	12130	2455	415	8866	9606	1938	287	7079	-500	-448	-156	-241	-11.06%	Macon-Bibb County,
CRISP	20128	9194	634	9892	15570	6603	414	8248	-3311	-1036	-1747	-214	-3.14%	Cordele,
DADE	16251	228	364	14786	12987	140	243	11925	-382	40	-60	4	2.94%	Chattanoo, TN-
DAWSON	26798	392	1605	23544	21441	249	1047	19183	4468	203	4194	146	141.75%	**Atlanta-Sandy Sprin**
DECATUR	29367	12583	1911	14280	22443	9189	1196	11586	1525	984	1683	1112	13.77%	Bainbridge,
DEKALB	764382	407451	81471	215895	595276	314230	55506	180161	72489	22898	68519	34330	12.27%	**Atlanta-Sandy Sprin**
DODGE	19925	6148	620	12865	15709	4725	406	10360	-1871	-480	-1010	-94	-1.95%	
DOOLY	11208	5652	797	4611	9187	4526	493	4029	-3710	-1859	-2572	-1168	-20.51%	
DOUGHERTY	85790	61457	2413	20631	66266	45631	1591	17909	-8775	-2790	-3965	648	1.44%	Albany,
DOUGLAS	144237	74260	16035	49877	108428	53377	10212	41416	11834	20007	13558	17860	50.29%	**Atlanta-Sandy Sprin**
EARLY	10854	5688	186	4813	8315	4075	113	3985	-154	178	208	284	7.49%	
ECHOLS	3697	193	1091	2328	2709	121	667	1856	-337	10	-142	-18	-12.95%	Valdosta,
EFFINGHAM	64769	10035	3492	48204	47295	6831	2054	36237	12519	2578	9951	1888	38.20%	Savannah,
ELBERT	19637	5520	996	12610	15493	4122	660	10322	-529	-537	26	-210	-4.85%	
EMANUEL	22768	7556	993	13815	17320	5404	589	11013	170	-112	470	135	2.56%	
EVANS	10774	3273	1237	6038	8127	2410	731	4826	-226	19	-36	90	3.88%	
FANNIN	25319	199	753	23351	21188	133	505	19721	1637	84	2037	62	87.32%	
FAYETTE	119194	32076	9480	68144	91798	23728	6168	55102	12627	9578	13330	8373	54.53%	**Atlanta-Sandy Sprin**
FLOYD	98584	15606	11466	67747	76295	11064	7167	55088	2267	1175	3423	1136	11.44%	Rome,
FORSYTH	251283	13222	25226	159407	181193	8751	16204	122017	75772	7917	59087	5460	165.91%	**Atlanta-Sandy Sprin**
FRANKLIN	23424	2207	1121	19262	18307	1523	678	15466	1340	170	1179	95	6.65%	
FULTON	1066710	477624	86302	404793	847182	368635	61914	340541	146129	60732	146287	62029	20.23%	**Atlanta-Sandy Sprin**
GILMER	31353	296	3599	26365	25417	161	2158	22187	3061	84	3354	53	49.07%	
GLASCOCK	2884	226	52	2573	2236	167	31	2003	-198	-39	-33	-18	-9.73%	
GLYNN	84499	22098	6336	52987	66468	15620	4116	44302	4873	633	6073	1061	7.29%	Brunswick,
GORDON	57544	2919	8957	43317	43500	1939	5592	34084	2358	527	3189	323	19.99%	Calhoun,
GRADY	26236	7693	3273	14715	19962	5678	1857	11968	1225	363	1378	563	11.01%	
GREENE	18915	6027	1289	11126	15358	4470	826	9675	2921	-178	2661	62	1.41%	

County (Metro Atlanta in Bold)	2020 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2010 -2020 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
GWINNETT	957062	287687	220460	310583	709484	202762	146659	252041	151741	86155	138870	71745	54.76%	**Atlanta-Sandy Sprin**
HABERSHAM	46031	2165	6880	34694	35878	1675	4115	28299	2990	498	3141	396	30.96%	Cornelia,
HALL	203136	17006	57010	120418	153844	12094	36146	98800	23452	2609	24326	2332	23.89%	inesville,
HANCOCK	8735	6131	63	2413	7487	5108	47	2220	-694	-887	-223	-421	-7.61%	Milledgeville,
HARALSON	29919	1541	497	26825	22854	1106	323	20617	1139	13	1307	44	4.14%	**Atlanta-Sandy Sprin**
HARRIS	34668	5742	1417	25925	26799	4431	908	20298	2644	64	2393	188	4.43%	Columbus, -AL
HART	25828	4732	931	19250	20436	3447	578	15761	615	-167	834	-49	-1.40%	
HEARD	11412	1142	253	9589	8698	832	153	7407	-422	-101	-88	-60	-6.73%	**Atlanta-Sandy Sprin**
HENRY	240712	125211	18437	86297	179973	89657	12030	69744	36790	46914	35708	38225	74.32%	**Atlanta-Sandy Sprin**
HOUSTON	163633	56520	11807	86211	122118	39605	7530	68018	23733	14719	19709	11436	40.60%	Warner Robins,
IRWIN	9666	2333	663	6402	7547	1720	545	5047	128	-182	324	-110	-6.01%	
JACKSON	75907	6148	6712	59064	56451	4268	4261	45015	15422	1618	12011	1140	36.45%	Jefferson,
JASPER	14588	2676	684	10771	11118	1966	402	8400	688	-466	693	-306	-13.47%	**Atlanta-Sandy Sprin**
JEFF DAVIS	14779	2493	2047	9950	10856	1752	1233	7643	-289	191	-46	183	11.66%	
JEFFERSON	15709	8208	462	6834	12301	6324	280	5536	-1221	-1095	-358	-372	-5.56%	
JENKINS	8674	3638	303	4611	7005	2843	194	3874	334	197	901	561	24.58%	
JOHNSON	9189	3124	117	5800	7474	2513	82	4790	-791	-407	-416	-175	-6.51%	Dublin,
JONES	28347	7114	476	20074	21575	5341	302	15428	-322	-55	379	130	2.49%	Macon-Bibb County,
LAMAR	18500	5220	475	12344	14541	4017	323	9852	183	-611	93	-577	-12.56%	**Atlanta-Sandy Sprin**
LANIER	9877	2369	572	6595	7326	1683	370	5010	-201	-133	16	-27	-1.58%	Valdosta,
LAURENS	49570	19132	1424	27881	37734	13695	923	22229	1136	1478	1775	1478	12.10%	Dublin,
LEE	33163	7755	953	22758	24676	5503	603	17356	4865	2324	4313	1733	45.97%	Albany,
LIBERTY	65256	31146	7786	24004	48014	21700	5231	19065	1803	2495	3752	2676	14.07%	Hinesville,
LINCOLN	7690	2212	92	5196	6270	1728	54	4316	-306	-387	-75	-241	-12.24%	Augusta-Richmond C
LONG	16168	4734	1979	8774	11234	3107	1227	6422	1704	827	1189	530	20.57%	Hinesville,
LOWNDES	118251	46758	7872	59306	89031	33302	5201	47140	9018	6468	6768	4906	17.28%	Valdosta,
LUMPKIN	33488	685	1790	29241	27689	507	1345	24419	3522	218	3964	169	50.00%	
MACON	21632	9045	790	11417	16615	6425	536	9359	6892	26	5128	-506	-7.30%	
MADISON	10975	3400	231	7060	9040	2641	166	5998	-17145	902	-12206	853	47.71%	Athens-Clarke Count
MARION	12082	7296	472	4078	9938	6021	322	3379	3340	4385	3292	3908	184.95%	
MCDUFFIE	30120	3196	1956	23549	23112	2225	1198	18643	8245	-5682	6935	-3833	-63.27%	Augusta-Richmond C
MCINTOSH	7498	2223	560	4486	5854	1687	337	3643	-6835	-3022	-5401	-2246	-57.11%	Brunswick,
MERIWETHER	20613	7547	475	12084	16526	5845	299	9994	-1379	-1204	-256	-393	-6.30%	**Atlanta-Sandy Sprin**

County (Metro Atlanta in Bold)	2020 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2010 -2020 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
MILLER	6000	1831	136	3949	4749	1358	92	3239	-125	70	60	112	8.99%	
MITCHELL	21755	10394	964	10106	17065	7917	615	8284	-1743	-935	-597	-257	-3.14%	
MONROE	27957	6444	714	19954	21913	5068	464	15771	1533	57	1442	215	4.43%	Macon-Bibb County,
MONTGOMERY	8610	2224	571	5665	6792	1781	377	4527	-513	-233	-247	-110	-5.82%	Vidalia,
MORGAN	20097	4339	712	14487	15574	3280	434	11452	2229	20	2145	160	5.13%	**Atlanta-Sandy Sprin**
MURRAY	39973	556	5914	32164	30210	321	3696	25146	345	143	1230	101	45.91%	Dalton,
MUSCOGEE	206922	102212	16513	79083	157052	74301	10894	64635	17037	12315	15765	11327	17.99%	Columbus, -AL
NEWTON	112483	55901	7164	46746	84748	40433	4561	37631	12525	13634	13663	12748	46.05%	**Atlanta-Sandy Sprin**
OCONEE	41799	2280	2347	33886	30221	1660	1405	24942	8991	504	6716	409	32.69%	Athens-Clarke Count
OGLETHORPE	14825	2468	869	10903	11639	1853	531	8799	-74	-272	295	-162	-8.04%	Athens-Clarke Count
PAULDING	168661	41296	12564	108444	123998	28164	7974	83066	26337	15231	24768	11767	71.76%	**Atlanta-Sandy Sprin**
PEACH	27981	12645	2547	12119	22111	9720	1788	10071	286	-309	736	-223	-2.24%	Warner Robins,
PICKENS	33216	512	1198	30122	26799	319	755	24626	3785	124	4005	81	34.03%	**Atlanta-Sandy Sprin**
PIERCE	19716	1801	998	16403	14899	1262	595	12662	958	38	1037	50	4.13%	Waycross,
PIKE	18889	1613	348	16313	14337	1254	207	12422	1020	-333	1306	-210	-14.34%	**Atlanta-Sandy Sprin**
POLK	42853	5816	5585	30161	32238	3991	3252	24049	1378	280	1809	274	7.37%	Cedartown,
PULASKI	9855	3250	327	6022	8012	2564	224	5027	-2155	-642	-1420	-387	-13.11%	
PUTNAM	22047	5701	1557	14316	17847	4229	1031	12209	829	64	1230	245	6.15%	
QUITMAN	2235	965	31	1190	1870	765	18	1037	-278	-248	-129	-141	-15.56%	Eufaula, AL-
RABUN	16883	210	1452	14625	13767	129	928	12236	607	-6	920	25	24.04%	
RANDOLPH	6425	3947	143	2250	4977	2913	82	1922	-1294	-862	-1014	-619	-17.53%	
RICHMOND	206607	119970	11449	68397	160899	87930	8445	58403	6058	7979	9655	9329	11.87%	Augusta-Richmond C
ROCKDALE	93570	57204	9540	24500	71503	41935	6089	21457	8355	16468	9202	14643	53.65%	**Atlanta-Sandy Sprin**
SCHLEY	4547	933	175	3357	3328	644	103	2520	-463	-247	-179	-166	-20.49%	Americus,
SCREVEN	14067	5527	287	8018	10893	4144	188	6387	-526	-897	-10	-326	-7.29%	
SEMINOLE	9147	3093	228	5617	7277	2275	160	4681	418	133	552	209	10.12%	
SPALDING	67306	24522	3666	37105	52123	17511	2377	30612	3233	2894	4261	2752	18.65%	**Atlanta-Sandy Sprin**
STEPHENS	26784	3527	857	21323	21163	2467	578	17310	609	387	940	314	14.58%	Toccoa,
STEWART	5314	2538	1217	1338	4617	2048	1196	1161	-744	-360	-492	-156	-7.08%	Columbus, -AL
SUMTER	29616	15546	1770	11528	23036	11479	1147	9800	-3203	-1654	-1482	-395	-3.33%	Americus,
TALBOT	5733	3145	112	2427	4783	2537	56	2129	-1132	-964	-618	-544	-17.66%	Columbus, -AL
TALIAFERRO	1559	876	69	591	1289	722	46	506	-158	-167	-105	-109	-13.12%	
TATTNALL	22842	6331	2303	13825	17654	4886	1419	11020	-2678	-1295	-2460	-1348	-21.62%	

County (Metro Atlanta in Bold)	2020 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2010 -2020 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
TAYLOR	7816	2946	168	4584	6120	2235	107	3686	-1090	-602	-608	-380	-14.53%	
TELFAIR	12477	4754	1928	5970	10190	3806	1757	4802	-4023	-1380	-2994	-924	-19.53%	
TERRELL	9185	5707	177	3189	7204	4274	121	2709	-130	-57	193	241	5.98%	Albany,
THOMAS	45798	16975	1577	25994	35037	12332	970	20740	1078	236	1454	417	3.50%	Thomasville,
TIFT	41344	12734	5219	22189	31224	8963	3295	18011	1226	859	1466	803	9.84%	Tifton,
TOOMBS	27030	7402	3044	16007	20261	5036	1978	12810	-193	453	653	552	12.31%	Vidalia,
TOWNS	12493	168	415	11469	10923	137	338	10100	2022	115	2093	94	218.60%	
TREUTLEN	6406	2114	170	4065	4934	1514	98	3272	-479	-167	-238	-69	-4.36%	Dublin,
TROUP	69426	25473	2956	38099	52581	18202	1822	30377	2382	2501	3339	2433	15.43%	LaGrange, -AL
TURNER	9006	3813	372	4700	6960	2752	256	3891	76	68	233	140	5.36%	
TWIGGS	8022	3226	124	4487	6589	2627	79	3733	-1001	-559	-578	-271	-9.35%	Macon-Bibb County,
UNION	24632	228	816	22646	20808	147	563	19351	3276	112	3245	66	81.48%	
UPSON	27700	8324	633	18009	21711	6202	411	14548	547	572	975	627	11.25%	Thomaston,
WALKER	67654	3664	1685	59654	52794	2454	1066	47292	-1102	368	294	239	10.79%	Chattanoo, TN-
WALTON	96673	18804	5228	68499	73098	13165	3236	53647	12905	5086	11918	4068	44.72%	**Atlanta-Sandy Sprin**
WARE	36251	11421	1612	22275	27788	8226	1012	17818	-61	411	33	377	4.80%	Waycross,
WARREN	5215	3128	53	1974	4159	2360	46	1716	-619	-496	-302	-229	-8.85%	
WASHINGTON	19988	10969	334	8412	15709	8333	235	6944	-1199	-354	-432	47	0.57%	
WAYNE	30144	6390	1732	21301	23105	4662	1116	16754	45	92	467	119	2.62%	Jesup,
WEBSTER	2348	1107	59	1136	1847	844	36	931	-451	-94	-242	-17	-1.97%	
WHEELER	7471	2949	272	4157	6217	2561	174	3418	50	302	195	342	15.41%	
WHITE	28003	721	913	24959	22482	484	605	20318	859	153	1538	104	27.37%	
WHITFIELD	102864	4919	36916	57875	76262	3349	23553	46881	265	400	2946	286	9.34%	Dalton,
WILCOX	8766	3161	272	5185	7218	2693	209	4215	-489	-144	-250	-1	-0.04%	
WILKES	9565	3989	399	4952	7651	3071	243	4154	-1028	-651	-586	-386	-11.17%	
WILKINSON	8877	3330	239	5110	7026	2549	152	4165	-686	-390	-213	-144	-5.35%	
WORTH	20784	5517	381	14427	16444	4108	244	11747	-895	-574	108	-141	-3.32%	Albany,
Total	**10711908**	**3538146**	**1123457**	**5362156**	**8220274**	**2607986**	**742918**	**4342333**	**1024255**	**484048**	**1024173**	**467197**		

EXHIBIT G-2

County (Metro Atlanta in Bold)	REGIONS	2010 POP.	18_POP	18_AP_BLA	18_HISPAN	NH18__WHT	2010 % 18 AP Black	2020 Pop	18+ Pop	18+ AP Bla	NH18+ White	2020 % 18 AP Black	Percentage Point Change in 18+ AP Black --2010-2020	MSAs
APPLING		18236	13542	2419	1016	9968	17.9%	18444	13958	2540	10048	18.2%	0.3%	
ATKINSON		8375	5945	1040	1209	3642	17.5%	8286	6129	937	3787	15.3%	-2.2%	Douglas,
BACON		11096	8270	1214	514	6481	14.7%	11140	8310	1245	6374	15.0%	0.3%	
BAKER	Region C	3451	2650	1223	73	1331	46.2%	2876	2275	932	1235	41.0%	-5.2%	
BALDWIN		45720	36369	14027	677	21005	38.6%	43799	35732	14515	19377	40.6%	2.1%	Milledgeville,
BANKS		18395	13752	351	615	12531	2.6%	18035	13900	365	12278	2.6%	0.1%	
BARROW		69367	49778	5669	3613	38607	11.4%	83505	62195	8222	43241	13.2%	1.8%	**Atlanta-Sandy S**
BARTOW		100157	73357	7294	4506	60334	9.9%	108901	83570	9377	63759	11.2%	1.3%	**Atlanta-Sandy S**
BEN HILL		17634	12966	4247	572	7983	32.8%	17194	13165	4745	7459	36.0%	3.3%	Fitzgerald,
BERRIEN		19286	14347	1433	501	12265	10.0%	18160	13690	1499	11181	10.9%	1.0%	
BIBB		155547	115428	56527	2849	53639	49.0%	157346	120902	64270	47979	53.2%	4.2%	Macon-Bibb Cou
BLECKLEY		13063	10114	2708	189	7124	26.8%	12583	9613	2036	7032	21.2%	-5.6%	
BRANTLEY		18411	13518	403	194	12739	3.0%	18021	13692	470	12522	3.4%	0.5%	Brunswick,
BROOKS		16243	12393	4145	553	7564	33.4%	16301	12747	4357	7483	34.2%	0.7%	Valdosta,
BRYAN		30233	21376	2977	777	17090	13.9%	44738	31828	5025	23033	15.8%	1.9%	Savannah,
BULLOCH		70217	55824	14915	1726	37973	26.7%	81099	64494	18220	41041	28.3%	1.5%	Statesboro,
BURKE	Region B	23316	16731	7861	414	8340	47.0%	24596	18778	8362	9566	44.5%	-2.5%	Augusta-Richmo
BUTTS		23655	18330	5096	394	12648	27.8%	25434	20360	5660	13510	27.8%	0.0%	**Atlanta-Sandy S**
CALHOUN	Region C	6694	5374	3262	194	1893	60.7%	5573	4687	2998	1567	64.0%	3.3%	
CAMDEN		50513	36861	7010	1622	27230	19.0%	54768	41808	7828	29410	18.7%	-0.3%	St. Marys,
CANDLER		10998	8179	1950	774	5392	23.8%	10981	8241	2009	5229	24.4%	0.5%	
CARROLL		110527	82403	14911	4258	62068	18.1%	119148	90996	17827	63803	19.6%	1.5%	**Atlanta-Sandy S**
CATOOSA		63942	48002	1042	880	45014	2.2%	67872	52448	1684	46578	3.2%	1.0%	Chattanoo, TN-
CHARLTON		12171	9529	2801	252	6343	29.4%	12518	10135	2147	5929	21.2%	-8.2%	
CHATHAM		265128	205121	77343	9986	111471	37.7%	295291	234715	85178	119161	36.3%	-1.4%	Savannah,
CHATTAHOOCHEE		11267	8214	1571	940	5353	19.1%	9565	7199	1287	4212	17.9%	-1.2%	Columbus, -AL
CHATTOOGA		26015	20157	2541	621	16780	12.6%	24965	19416	2235	15885	11.5%	-1.1%	Summerville,
CHEROKEE		214346	155426	8754	12908	129832	5.6%	266620	202928	14976	156155	7.4%	1.7%	**Atlanta-Sandy S**
CLARKE		116714	96291	23063	7933	60254	24.0%	128671	106830	24776	64531	23.2%	-0.8%	Athens-Clarke Co
CLAY	Region C	3183	2466	1384	16	1045	56.1%	2848	2246	1231	973	54.8%	-1.3%	
CLAYTON		259424	184445	121379	21831	32242	65.8%	297595	220578	158854	23396	72.0%	**6.2%**	**Atlanta-Sandy S**
CLINCH		6798	4955	1255	142	3505	25.3%	6749	5034	1406	3372	27.9%	2.6%	
COBB		688078	511591	124711	53080	307377	24.4%	766149	591848	166141	303300	28.1%	3.7%	**Atlanta-Sandy S**

County (Metro Atlanta in Bold)	REGIONS	2010 POP.	18_POP	18_AP_BLA	18_HISPAN	NH18__WHT	2010 % 18 AP Black	2020 Pop	18+ Pop	18+ AP Bla	NH18+ White	2020 % 18 AP Black	Percentage Point Change in 18+ AP Black --2010-2020	MSAs
COFFEE		42356	31255	8219	2554	20113	26.3%	43092	32419	9191	19146	28.4%	2.1%	Douglas,
COLQUITT		45498	32914	7021	4701	20826	21.3%	45898	34193	7461	20507	21.8%	0.5%	Moultrie,
COLUMBIA		124053	90243	13211	3862	68414	14.6%	156010	114823	22273	76070	19.4%	4.8%	Augusta-Richmo
COOK		17212	12530	3270	603	8505	26.1%	17229	12938	3595	8310	27.8%	1.7%	
COWETA		127317	92485	15695	5588	69124	17.0%	146158	111155	20196	78073	18.2%	1.2%	**Atlanta-Sandy S**
CRAWFORD		12630	9762	2179	196	7266	22.3%	12130	9606	1938	7079	20.2%	-2.1%	Macon-Bibb Cou
CRISP		23439	17317	6817	461	9863	39.4%	20128	15570	6603	8248	42.4%	3.0%	Cordele,
DADE		16633	13047	136	177	12466	1.0%	16251	12987	140	11925	1.1%	0.0%	Chattanoo, TN-
DAWSON		22330	17247	103	602	16265	0.6%	26798	21441	249	19183	1.2%	0.6%	**Atlanta-Sandy S**
DECATUR		27842	20760	8077	821	11670	38.9%	29367	22443	9189	11586	40.9%	2.0%	Bainbridge,
DEKALB		691893	526757	279900	46921	171336	53.1%	764382	595276	314230	180161	52.8%	-0.3%	**Atlanta-Sandy S**
DODGE		21796	16719	4819	495	11280	28.8%	19925	15709	4725	10360	30.1%	1.3%	
DOOLY		14918	11759	5694	558	5437	48.4%	11208	9187	4526	4029	49.3%	0.8%	
DOUGHERTY	Region C	94565	70231	44983	1360	23106	64.1%	85790	66266	45631	17909	68.9%	**4.8%**	Albany,
DOUGLAS		132403	94870	35517	6581	51014	37.4%	144237	108428	53377	41416	49.2%	**11.8%**	**Atlanta-Sandy S**
EARLY	Region C	11008	8107	3791	99	4156	46.8%	10854	8315	4075	3985	49.0%	2.2%	
ECHOLS		4034	2851	139	697	1925	4.9%	3697	2709	121	1856	4.5%	-0.4%	Valdosta,
EFFINGHAM		52250	37344	4943	867	30847	13.2%	64769	47295	6831	36237	14.4%	1.2%	Savannah,
ELBERT		20166	15467	4332	588	10422	28.0%	19637	15493	4122	10322	26.6%	-1.4%	
EMANUEL		22598	16850	5269	582	10793	31.3%	22768	17320	5404	11013	31.2%	-0.1%	
EVANS		11000	8163	2320	861	4918	28.4%	10774	8127	2410	4826	29.7%	1.2%	
FANNIN		23682	19151	71	293	18506	0.4%	25319	21188	133	19721	0.6%	0.3%	
FAYETTE	Region A	106567	78468	15355	4183	55492	19.6%	119194	91798	23728	55102	25.8%	**6.3%**	**Atlanta-Sandy S**
FLOYD		96317	72872	9928	5376	56175	13.6%	98584	76295	11064	55088	14.5%	0.9%	Rome,
FORSYTH		175511	122106	3291	10403	100172	2.7%	251283	181193	8751	122017	4.8%	2.1%	**Atlanta-Sandy S**
FRANKLIN		22084	17128	1428	560	14944	8.3%	23424	18307	1523	15466	8.3%	0.0%	
FULTON		920581	700895	306606	48745	304024	43.7%	1066710	847182	368635	340541	43.5%	-0.2%	**Atlanta-Sandy S**
GILMER		28292	22063	108	1557	20116	0.5%	31353	25417	161	22187	0.6%	0.1%	
GLASCOCK	Region B	3082	2269	185	18	2040	8.2%	2884	2236	167	2003	7.5%	-0.7%	
GLYNN		79626	60395	14559	3283	41521	24.1%	84499	66468	15620	44302	23.5%	-0.6%	Brunswick,
GORDON		55186	40311	1616	4603	33417	4.0%	57544	43500	1939	34084	4.5%	0.4%	Calhoun,
GRADY		25011	18584	5115	1570	11674	27.5%	26236	19962	5678	11968	28.4%	0.9%	
GREENE		15994	12697	4408	573	7609	34.7%	18915	15358	4470	9675	29.1%	-5.6%	

County (Metro Atlanta in Bold)	REGIONS	2010 POP.	18_POP	18_AP_BLA	18_HISPAN	NH18__WHT	2010 % 18 AP Black	2020 Pop	18+ Pop	18+ AP Bla	NH18+ White	2020 % 18 AP Black	Percentage Point Change in 18+ AP Black --2010-2020	MSAs
GWINNETT		805321	570614	131017	102225	272913	23.0%	957062	709484	202762	252041	28.6%	**5.6%**	**Atlanta-Sandy S**
HABERSHAM		43041	32737	1279	2997	27461	3.9%	46031	35878	1675	28299	4.7%	0.8%	Cornelia,
HALL		179684	129518	9762	27227	89587	7.5%	203136	153844	12094	98800	7.9%	0.3%	inesville,
HANCOCK	Region B	9429	7710	5529	118	2018	71.7%	8735	7487	5108	2220	68.2%	-3.5%	Milledgeville,
HARALSON		28780	21547	1062	187	19985	4.9%	29919	22854	1106	20617	4.8%	-0.1%	**Atlanta-Sandy S**
HARRIS		32024	24406	4243	567	19136	17.4%	34668	26799	4431	20298	16.5%	-0.9%	Columbus, -AL
HART		25213	19602	3496	474	15405	17.8%	25828	20436	3447	15761	16.9%	-1.0%	
HEARD		11834	8786	892	123	7635	10.2%	11412	8698	832	7407	9.6%	-0.6%	**Atlanta-Sandy S**
HENRY	Region A	203922	144265	51432	7182	80733	35.7%	240712	179973	89657	69744	49.8%	**14.2%**	**Atlanta-Sandy S**
HOUSTON		139900	102409	28169	5357	65255	27.5%	163633	122118	39605	68018	32.4%	**4.9%**	Warner Robins,
IRWIN		9538	7223	1830	140	5209	25.3%	9666	7547	1720	5047	22.8%	-2.5%	
JACKSON		60485	44440	3128	2251	38046	7.0%	75907	56451	4268	45015	7.6%	0.5%	Jefferson,
JASPER		13900	10425	2272	308	7724	21.8%	14588	11118	1966	8400	17.7%	-4.1%	**Atlanta-Sandy S**
JEFF DAVIS		15068	10902	1569	893	8352	14.4%	14779	10856	1752	7643	16.1%	1.7%	
JEFFERSON	Region B	16930	12659	6696	340	5550	52.9%	15709	12301	6324	5536	51.4%	-1.5%	
JENKINS	Region B	8340	6104	2282	214	3556	37.4%	8674	7005	2843	3874	40.6%	3.2%	
JOHNSON		9980	7890	2688	128	5047	34.1%	9189	7474	2513	4790	33.6%	-0.4%	Dublin,
JONES		28669	21196	5211	188	15538	24.6%	28347	21575	5341	15428	24.8%	0.2%	Macon-Bibb Cou
LAMAR		18317	14448	4594	219	9500	31.8%	18500	14541	4017	9852	27.6%	-4.2%	**Atlanta-Sandy S**
LANIER		10078	7310	1710	259	5195	23.4%	9877	7326	1683	5010	23.0%	-0.4%	Valdosta,
LAURENS		48434	35959	12217	725	22496	34.0%	49570	37734	13695	22229	36.3%	2.3%	Dublin,
LEE		28298	20363	3770	348	15672	18.5%	33163	24676	5503	17356	22.3%	3.8%	Albany,
LIBERTY		63453	44262	19024	3649	20233	43.0%	65256	48014	21700	19065	45.2%	2.2%	Hinesville,
LINCOLN		7996	6345	1969	63	4250	31.0%	7690	6270	1728	4316	27.6%	-3.5%	Augusta-Richmo
LONG		14464	10045	2577	1031	6249	25.7%	16168	11234	3107	6422	27.7%	2.0%	Hinesville,
LOWNDES		109233	82263	28396	3467	48506	34.5%	118251	89031	33302	47140	37.4%	2.9%	Valdosta,
LUMPKIN		29966	23725	338	861	22026	1.4%	33488	27689	507	24419	1.8%	0.4%	
MACON		14740	11487	6931	346	9690	60.3%	12082	9938	6021	3379	60.6%	**0.2%**	
MADISON		28120	21246	1788	642	7069	8.4%	30120	23112	2225	18643	9.6%	1.2%	Athens-Clarke C
MARION		8742	6646	2113	353	4035	31.8%	7498	5854	1687	3643	28.8%	-3.0%	Columbus, -AL
MCDUFFIE	Region B	21875	16177	6058	282	18544	37.4%	21632	16615	6425	9359	38.7%	**1.2%**	Augusta-Richmo
MCINTOSH		14333	11255	3933	147	4057	34.9%	10975	9040	2641	5998	29.2%	-5.7%	Brunswick,
MERIWETHER		21992	16782	6238	216	10121	37.2%	20613	16526	5845	9994	35.4%	-1.8%	**Atlanta-Sandy S**

County (Metro Atlanta in Bold)	REGIONS	2010 POP.	18_POP	18_AP_BLA	18_HISPAN	NH18__WHT	2010 % 18 AP Black	2020 Pop	18+ Pop	18+ AP Bla	NH18+ White	2020 % 18 AP Black	Percentage Point Change in 18+ AP Black --2010-2020	MSAs
MILLER	Region C	6125	4689	1246	51	3364	26.6%	6000	4749	1358	3239	28.6%	2.0%	
MITCHELL	Region C	23498	17662	8174	675	8626	46.3%	21755	17065	7917	8284	46.4%	0.1%	
MONROE		26424	20471	4853	351	14967	23.7%	27957	21913	5068	15771	23.1%	-0.6%	Macon-Bibb Cou
MONTGOMERY		9123	7039	1891	294	4822	26.9%	8610	6792	1781	4527	26.2%	-0.6%	Vidalia,
MORGAN		17868	13429	3120	304	9845	23.2%	20097	15574	3280	11452	21.1%	-2.2%	**Atlanta-Sandy S**
MURRAY		39628	28980	220	2875	25580	0.8%	39973	30210	321	25146	1.1%	0.3%	Dalton,
MUSCOGEE		189885	141287	62974	7954	66462	44.6%	206922	157052	74301	64635	47.3%	2.7%	Columbus, -AL
NEWTON	Region A	99958	71085	27685	2719	39806	38.9%	112483	84748	40433	37631	47.7%	**8.8%**	**Atlanta-Sandy S**
OCONEE		32808	23505	1251	854	20545	5.3%	41799	30221	1660	24942	5.5%	0.2%	Athens-Clarke Co
OGLETHORPE		14899	11344	2015	318	8876	17.8%	14825	11639	1853	8799	15.9%	-1.8%	Athens-Clarke Co
PAULDING		142324	99230	16397	4235	77000	16.5%	168661	123998	28164	83066	22.7%	**6.2%**	**Atlanta-Sandy S**
PEACH		27695	21375	9943	1225	9937	46.5%	27981	22111	9720	10071	44.0%	-2.6%	Warner Robins,
PICKENS		29431	22794	238	488	21759	1.0%	33216	26799	319	24626	1.2%	0.1%	**Atlanta-Sandy S**
PIERCE		18758	13862	1212	510	11953	8.7%	19716	14899	1262	12662	8.5%	-0.3%	Waycross,
PIKE		17869	13031	1464	130	11275	11.2%	18889	14337	1254	12422	8.7%	-2.5%	**Atlanta-Sandy S**
POLK		41475	30429	3717	2781	23535	12.2%	42853	32238	3991	24049	12.4%	0.2%	Cedartown,
PULASKI		12010	9432	2951	275	6097	31.3%	9855	8012	2564	5027	32.0%	0.7%	
PUTNAM		21218	16617	3984	825	11647	24.0%	22047	17847	4229	12209	23.7%	-0.3%	
QUITMAN	Region C	2513	1999	906	21	1072	45.3%	2235	1870	765	1037	40.9%	-4.4%	Eufaula, AL-
RABUN		16276	12847	104	819	11728	0.8%	16883	13767	129	12236	0.9%	0.1%	
RANDOLPH	Region C	7719	5991	3532	89	2366	59.0%	6425	4977	2913	1922	58.5%	-0.4%	
RICHMOND	Region B	200549	151244	78601	5630	63232	52.0%	206607	160899	87930	58403	54.6%	2.7%	Augusta-Richmo
ROCKDALE	Region A	85215	62301	27292	5017	28709	43.8%	93570	71503	41935	21457	58.6%	**14.8%**	**Atlanta-Sandy S**
SCHLEY		5010	3507	810	82	2579	23.1%	4547	3328	644	2520	19.4%	-3.7%	Americus,
SCREVEN		14593	10903	4470	106	6241	41.0%	14067	10893	4144	6387	38.0%	-3.0%	
SEMINOLE		8729	6725	2066	124	4489	30.7%	9147	7277	2275	4681	31.3%	0.5%	
SPALDING	Region A	64073	47862	14759	1612	30775	30.8%	67306	52123	17511	30612	33.6%	2.8%	**Atlanta-Sandy S**
STEPHENS		26175	20223	2153	363	17423	10.6%	26784	21163	2467	17310	11.7%	1.0%	Toccoa,
STEWART	Region C	6058	5109	2204	1438	1421	43.1%	5314	4617	2048	1161	44.4%	1.2%	Columbus, -AL
SUMTER	Region C	32819	24518	11874	1098	11129	48.4%	29616	23036	11479	9800	49.8%	1.4%	Americus,
TALBOT		6865	5401	3081	66	2228	57.0%	5733	4783	2537	2129	53.0%	-4.0%	Columbus, -AL
TALIAFERRO	Region B	1717	1394	831	20	533	59.6%	1559	1289	722	506	56.0%	-3.6%	
TATTNALL		25520	20114	6234	1598	12120	31.0%	22842	17654	4886	11020	27.7%	-3.3%	

County (Metro Atlanta in Bold)	REGIONS	2010 POP.	18_POP	18_AP_BLA	18_HISPAN	NH18__WHT	2010 % 18 AP Black		2020 Pop	18+ Pop	18+ AP Bla	NH18+ White	2020 % 18 AP Black	Percentage Point Change in 18+ AP Black --2010-2020	MSAs
TAYLOR		8906	6728	2615	112	3944	38.9%		7816	6120	2235	3686	36.5%	-2.3%	
TELFAIR		16500	13184	4730	1838	6720	35.9%		12477	10190	3806	4802	37.4%	1.5%	
TERRELL	Region C	9315	7011	4033	105	2854	57.5%		9185	7204	4274	2709	59.3%	1.8%	Albany,
THOMAS		44720	33583	11915	793	20401	35.5%		45798	35037	12332	20740	35.2%	-0.3%	Thomasville,
TIFT		40118	29758	8160	2376	18742	27.4%		41344	31224	8963	18011	28.7%	1.3%	Tifton,
TOOMBS		27223	19608	4484	1779	13099	22.9%		27030	20261	5036	12810	24.9%	2.0%	Vidalia,
TOWNS		10471	8830	43	149	8559	0.5%		12493	10923	137	10100	1.3%	0.8%	
TREUTLEN		6885	5172	1583	70	3499	30.6%		6406	4934	1514	3272	30.7%	0.1%	Dublin,
TROUP		67044	49242	15769	1359	31106	32.0%		69426	52581	18202	30377	34.6%	2.6%	LaGrange, -AL
TURNER		8930	6727	2612	175	3879	38.8%		9006	6960	2752	3891	39.5%	0.7%	
TWIGGS		9023	7167	2898	89	4130	40.4%		8022	6589	2627	3733	39.9%	-0.6%	Macon-Bibb Cou
UNION		21356	17563	81	347	16853	0.5%		24632	20808	147	19351	0.7%	0.2%	
UPSON		27153	20736	5575	375	14562	26.9%		27700	21711	6202	14548	28.6%	1.7%	Thomaston,
WALKER		68756	52500	2215	673	48872	4.2%		67654	52794	2454	47292	4.6%	0.4%	Chattanoo, TN-
WALTON		83768	61180	9097	1619	49336	14.9%		96673	73098	13165	53647	18.0%	3.1%	**Atlanta-Sandy S**
WARE		36312	27755	7849	764	18749	28.3%		36251	27788	8226	17818	29.6%	1.3%	Waycross,
WARREN	Region B	5834	4461	2589	36	1815	58.0%		5215	4159	2360	1716	56.7%	-1.3%	
WASHINGTON	Region B	21187	16141	8286	299	7477	51.3%		19988	15709	8333	6944	53.0%	1.7%	
WAYNE		30099	22638	4543	1181	16655	20.1%		30144	23105	4662	16754	20.2%	0.1%	Jesup,
WEBSTER	Region C	2799	2089	861	49	1173	41.2%		2348	1847	844	931	45.7%	4.5%	
WHEELER		7421	6022	2219	253	3548	36.8%		7471	6217	2561	3418	41.2%	4.3%	
WHITE		27144	20944	380	370	19852	1.8%		28003	22482	484	20318	2.2%	0.3%	
WHITFIELD		102599	73316	3063	18717	50242	4.2%		102864	76262	3349	46881	4.4%	0.2%	Dalton,
WILCOX		9255	7468	2694	261	4470	36.1%		8766	7218	2693	4215	37.3%	1.2%	
WILKES	Region B	10593	8237	3457	218	4505	42.0%		9565	7651	3071	4154	40.1%	-1.8%	
WILKINSON		9563	7239	2693	137	4340	37.2%		8877	7026	2549	4165	36.3%	-0.9%	
WORTH		21679	16336	4249	217	11699	26.0%		20784	16444	4108	11747	25.0%	-1.0%	Albany,
Total		9687653	7196101	2140789	539002	4242514	29.7%		10711908	8220274	2607986	4342333	**31.7%**	**2.0%**	

EXHIBIT G-3

County (Metro Atlanta in Bold)	2010 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2000 -2010 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
APPLING	18236	3483	1704	12854	13542	2419	1016	9968	817	33	852	160	7.08%	
ATKINSON	8375	1500	2039	4776	5945	1040	1209	3642	766	-6	644	15	1.46%	Douglas,
BACON	11096	1788	791	8431	8270	1214	514	6481	993	161	815	218	21.89%	
BAKER	3451	1637	145	1642	2650	1223	73	1331	-623	-425	-311	-184	-13.08%	
BALDWIN	45720	19285	919	24704	36369	14027	677	21005	1020	-288	1390	-314	-2.19%	Milledgeville,
BANKS	18395	486	1041	16526	13752	351	615	12531	3973	9	3106	11	3.24%	
BARROW	69367	8620	6037	51736	49778	5669	3613	38607	23223	3945	16759	2554	81.99%	**Atlanta-Sandy Spring**
BARTOW	100157	11030	7690	79803	73357	7294	4506	60334	24138	4201	18537	2753	60.63%	**Atlanta-Sandy Spring**
BEN HILL	17634	6217	1026	10164	12966	4247	572	7983	150	463	291	505	13.50%	Fitzgerald,
BERRIEN	19286	2145	885	16050	14347	1433	501	12265	3051	263	2536	235	19.62%	
BIBB	155547	82471	4389	65494	115428	56527	2849	53639	1660	9069	2421	7533	15.38%	Macon-Bibb County,
BLECKLEY	13063	3633	301	9000	10114	2708	189	7124	1397	742	1549	830	44.20%	
BRANTLEY	18411	603	343	17198	13518	403	194	12739	3782	-9	3034	7	1.77%	Brunswick,
BROOKS	16243	5794	853	9425	12393	4145	553	7564	-207	-735	368	-122	-2.86%	Valdosta,
BRYAN	30233	4626	1336	23446	21376	2977	777	17090	6816	1195	5248	776	35.26%	Savannah,
BULLOCH	70217	20006	2439	46251	55824	14915	1726	37973	14234	3735	12321	3115	26.40%	Statesboro,
BURKE	23316	11712	617	10844	16731	7861	414	8340	1073	291	1442	634	8.77%	Augusta-Richmond C
BUTTS	23655	6617	597	16200	18330	5096	394	12648	4133	912	3507	902	21.51%	**Atlanta-Sandy Spring**
CALHOUN	6694	4149	262	2250	5374	3262	194	1893	374	304	449	354	12.17%	
CAMDEN	50513	10564	2590	35977	36861	7010	1622	27230	6849	1487	7029	1355	23.96%	St. Marys,
CANDLER	10998	2731	1227	6949	8179	1950	774	5392	1421	108	1170	154	8.57%	
CARROLL	110527	21569	6800	80531	82403	14911	4258	62068	23259	6922	17765	4959	49.83%	**Atlanta-Sandy Spring**
CATOOSA	63942	1793	1469	59149	48002	1042	880	45014	10660	1026	8476	587	129.01%	Chattanoo, TN-
CHARLTON	12171	3562	310	8116	9529	2801	252	6343	1889	505	2073	644	29.86%	
CHATHAM	265128	109428	14370	133492	205121	77343	9986	111471	33080	14186	31156	13015	20.23%	Savannah,
CHATTAHOOCHEE	11267	2308	1398	7089	8214	1571	940	5353	-3615	-2393	-2442	-1497	-48.79%	Columbus, -AL
CHATTOOGA	26015	3091	1043	21589	20157	2541	621	16780	545	131	521	202	8.64%	Summerville,
CHEROKEE	214346	13870	20566	174243	155426	8754	12908	129832	72443	10019	53633	6272	252.70%	**Atlanta-Sandy Spring**
CLARKE	116714	32083	12192	66674	96291	23063	7933	60254	15225	3918	12910	3630	18.68%	Athens-Clarke Count
CLAY	3183	1945	26	1188	2466	1384	16	1045	-174	-99	-27	7	0.51%	
CLAYTON	259424	175977	35447	36610	184445	121379	21831	32242	22907	51427	18849	41548	52.04%	**Atlanta-Sandy Spring**
CLINCH	6798	1939	236	4536	4955	1255	142	3505	-80	-118	-7	-100	-7.38%	
COBB	688078	180965	84330	387438	511591	124711	53080	307377	80327	62736	62246	44994	56.44%	**Atlanta-Sandy Spring**

County (Metro Atlanta in Bold)	2010 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2000 -2010 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
COFFEE	42356	11594	4352	25907	31255	8219	2554	20113	4943	1788	4424	1720	26.47%	Douglas,
COLQUITT	45498	10467	7763	26759	32914	7021	4701	20826	3445	478	2404	644	10.10%	Moultrie,
COLUMBIA	124053	19881	6175	91517	90243	13211	3862	68414	34765	9506	27385	6325	91.85%	Augusta-Richmond C
COOK	17212	4793	1024	11171	12530	3270	603	8505	1441	148	1212	345	11.79%	
COWETA	127317	23159	8493	92604	92485	15695	5588	69124	38102	6873	28912	5051	47.45%	**Atlanta-Sandy Spring**
CRAWFORD	12630	2903	301	9282	9762	2179	196	7266	135	-116	715	36	1.68%	Macon-Bibb County,
CRISP	23439	10230	748	12216	17317	6817	461	9863	1443	606	1699	827	13.81%	Cordele,
DADE	16633	188	292	15796	13047	136	177	12466	1479	85	1506	50	58.14%	Chattanoo, TN-
DAWSON	22330	189	920	20847	17247	103	602	16265	6331	116	5256	64	164.10%	**Atlanta-Sandy Spring**
DECATUR	27842	11599	1404	14615	20760	8077	821	11670	-398	246	582	705	9.56%	Bainbridge,
DEKALB	691893	384553	67824	203395	526757	279900	46921	171336	26028	16037	24870	26315	10.38%	**Atlanta-Sandy Spring**
DODGE	21796	6628	732	14273	16719	4819	495	11280	2625	958	2527	997	26.09%	
DOOLY	14918	7511	862	6461	11759	5694	558	5437	3393	1768	3182	1662	41.22%	
DOUGHERTY	94565	64247	2073	27315	70231	44983	1360	23106	-1500	6093	742	6129	15.77%	Albany,
DOUGLAS	132403	54253	11125	64911	94870	35517	6581	51014	40229	36600	28131	23987	208.04%	**Atlanta-Sandy Spring**
EARLY	11008	5510	171	5250	8107	3791	99	4156	-1346	-486	-706	-14	-0.37%	
ECHOLS	4034	183	1183	2555	2851	139	697	1925	280	-78	197	-30	-17.75%	Valdosta,
EFFINGHAM	52250	7457	1501	42311	37344	4943	867	30847	14715	2472	11043	1746	54.61%	Savannah,
ELBERT	20166	6057	967	12956	15467	4332	588	10422	-345	-303	258	8	0.19%	
EMANUEL	22598	7668	921	13733	16850	5269	582	10793	761	350	1088	607	13.02%	
EVANS	11000	3254	1441	6228	8163	2320	861	4918	505	-223	552	26	1.13%	
FANNIN	23682	115	431	22761	19151	71	293	18506	3884	83	3497	51	255.00%	
FAYETTE	106567	22498	6760	72202	78468	15355	4183	55492	15304	11666	13759	8269	116.69%	**Atlanta-Sandy Spring**
FLOYD	96317	14431	8987	70959	72872	9928	5376	56175	5752	2086	4543	1595	19.14%	Rome,
FORSYTH	175511	5305	16550	140943	122106	3291	10403	100172	77104	4535	51165	2758	517.45%	**Atlanta-Sandy Spring**
FRANKLIN	22084	2037	866	18913	17128	1428	560	14944	1799	200	1697	155	12.18%	
FULTON	920581	416892	72566	376014	700895	306606	48745	304024	104575	47878	84179	45410	17.39%	**Atlanta-Sandy Spring**
GILMER	28292	212	2677	25078	22063	108	1557	20116	4836	136	4310	65	151.16%	
GLASCOCK	3082	265	33	2750	2269	185	18	2040	526	47	322	22	13.50%	
GLYNN	79626	21465	5126	51602	60395	14559	3283	41521	12058	3318	9935	2637	22.12%	Brunswick,
GORDON	55186	2392	7738	44107	40311	1616	4603	33417	11082	759	7705	512	46.38%	Calhoun,
GRADY	25011	7330	2500	14879	18584	5115	1570	11674	1352	123	1378	407	8.64%	
GREENE	15994	6205	893	8771	12697	4408	573	7609	1588	-229	1905	124	2.89%	

County (Metro Atlanta in Bold)	2010 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2000 -2010 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
GWINNETT	805321	201532	162035	354316	570614	131017	102225	272913	216873	119728	148159	76424	139.99%	**Atlanta-Sandy Spring**
HABERSHAM	43041	1667	5333	34621	32737	1279	2997	27461	7139	-41	5266	-99	-7.18%	Cornelia,
HALL	179684	14397	46906	114300	129518	9762	27227	89587	40407	3911	27758	2670	37.65%	inesville,
HANCOCK	9429	7018	139	2212	7710	5529	118	2018	-647	-837	59	-168	-2.95%	Milledgeville,
HARALSON	28780	1528	318	26516	21547	1062	187	19985	3090	85	2555	96	9.94%	**Atlanta-Sandy Spring**
HARRIS	32024	5678	872	24848	24406	4243	567	19136	8329	1016	6776	899	26.88%	Columbus, -AL
HART	25213	4899	786	19213	19602	3496	474	15405	2216	382	2007	375	12.02%	
HEARD	11834	1243	223	10190	8786	892	123	7635	822	22	938	36	4.21%	**Atlanta-Sandy Spring**
HENRY	203922	78297	11813	107083	144265	51432	7182	80733	84581	60321	59785	39567	333.48%	**Atlanta-Sandy Spring**
HOUSTON	139900	41801	8515	84703	102409	28169	5357	65255	29135	13755	22860	9779	53.18%	Warner Robins,
IRWIN	9538	2515	228	6719	7223	1830	140	5209	-393	-70	152	220	13.66%	
JACKSON	60485	4530	3736	50695	44440	3128	2251	38046	18896	1174	13922	705	29.10%	Jefferson,
JASPER	13900	3142	510	10095	10425	2272	308	7724	2474	-3	2108	119	5.53%	**Atlanta-Sandy Spring**
JEFF DAVIS	15068	2302	1577	11056	10902	1569	893	8352	2384	370	1672	267	20.51%	
JEFFERSON	16930	9303	517	7015	12659	6696	340	5550	-336	-453	296	143	2.18%	
JENKINS	8340	3441	334	4508	6104	2282	214	3556	-235	-55	-28	2	0.09%	
JOHNSON	9980	3531	186	6219	7890	2688	128	5047	1420	363	1909	797	42.15%	Dublin,
JONES	28669	7169	315	20830	21196	5211	188	15538	5030	1600	3968	1159	28.60%	Macon-Bibb County,
LAMAR	18317	5831	341	11943	14448	4594	219	9500	2405	936	2435	1098	31.41%	**Atlanta-Sandy Spring**
LANIER	10078	2502	461	6899	7310	1710	259	5195	2837	624	2052	422	32.76%	Valdosta,
LAURENS	48434	17654	1143	28920	35959	12217	725	22496	3560	2035	3130	1774	16.99%	Dublin,
LEE	28298	5431	560	21453	20363	3770	348	15672	3541	1542	3195	1048	38.50%	Albany,
LIBERTY	63453	28651	6159	27085	44262	19024	3649	20233	1843	1184	2346	1757	10.18%	Hinesville,
LINCOLN	7996	2599	98	5201	6345	1969	63	4250	-352	-284	34	-92	-4.46%	Augusta-Richmond C
LONG	14464	3907	1778	8491	10045	2577	1031	6249	4160	1331	3152	1017	65.19%	Hinesville,
LOWNDES	109233	40290	5238	61234	82263	28396	3467	48506	17118	8523	14282	6956	32.44%	Valdosta,
LUMPKIN	29966	467	1344	27519	23725	338	861	22026	8950	124	7811	94	38.52%	
MACON	14740	9019	475	12310	11487	6931	282	9690	-6491	974	-3828	1617	30.43%	
MADISON	28120	2498	227	8716	21246	1788	147	7069	17273	-1544	13441	-876	-32.88%	Athens-Clarke Count
MARION	8742	2911	527	4961	6646	2113	346	4035	-5332	-5508	-3541	-3744	-63.92%	
MCDUFFIE	21875	8878	1139	24106	16177	6058	642	18544	-3855	6662	-2789	4545	300.40%	Augusta-Richmond C
MCINTOSH	14333	5245	570	5100	11255	3933	353	4057	7189	2780	6136	2297	140.40%	Brunswick,
MERIWETHER	21992	8751	347	12606	16782	6238	216	10121	-542	-809	246	-265	-4.08%	**Atlanta-Sandy Spring**

County (Metro Atlanta in Bold)	2010 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2000 -2010 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
MILLER	6125	1761	93	4237	4689	1246	51	3364	-258	-87	-16	58	4.88%	
MITCHELL	23498	11329	1028	10894	17662	8174	675	8626	-434	-195	270	347	4.43%	
MONROE	26424	6387	535	19101	20471	4853	351	14967	4667	260	4427	430	9.72%	Macon-Bibb County,
MONTGOMERY	9123	2457	480	6144	7039	1891	294	4822	853	195	840	222	13.30%	Vidalia,
MORGAN	17868	4319	494	12814	13429	3120	304	9845	2411	-162	2078	6	0.19%	**Atlanta-Sandy Spring**
MURRAY	39628	413	5154	33666	28980	220	2875	25580	3122	109	2678	51	30.18%	Dalton,
MUSCOGEE	189885	89897	12110	82890	141287	62974	7954	66462	3594	6740	4998	7142	12.79%	Columbus, -AL
NEWTON	99958	42267	4635	51995	71085	27685	2719	39806	37957	28259	26241	18457	200.01%	**Atlanta-Sandy Spring**
OCONEE	32808	1776	1436	28306	23505	1251	854	20545	6583	45	5211	87	7.47%	Athens-Clarke Count
OGLETHORPE	14899	2740	546	11429	11344	2015	318	8876	2264	192	1967	225	12.57%	Athens-Clarke Count
PAULDING	142324	26065	7264	106739	99230	16397	4235	77000	60646	20113	42631	12658	338.54%	**Atlanta-Sandy Spring**
PEACH	27695	12954	1890	12499	21375	9943	1225	9937	4027	2138	3870	2057	26.08%	Warner Robins,
PICKENS	29431	388	819	27802	22794	238	488	21759	6448	80	5224	27	12.80%	**Atlanta-Sandy Spring**
PIERCE	18758	1763	887	15860	13862	1212	510	11953	3122	17	2395	47	4.03%	Waycross,
PIKE	17869	1946	193	15506	13031	1464	130	11275	4181	-110	3122	-46	-3.05%	**Atlanta-Sandy Spring**
POLK	41475	5536	4885	30492	30429	3717	2781	23535	3348	327	2239	194	5.51%	Cedartown,
PULASKI	12010	3892	465	7494	9432	2951	275	6097	2422	579	2060	518	21.29%	
PUTNAM	21218	5637	1347	14024	16617	3984	825	11647	2406	-66	2173	129	3.35%	
QUITMAN	2513	1213	34	1265	1999	906	21	1072	-85	-14	24	91	11.17%	Eufaula, AL-
RABUN	16276	216	1301	14468	12847	104	819	11728	1226	70	1083	26	33.33%	
RANDOLPH	7719	4809	119	2781	5991	3532	89	2366	-72	161	329	385	12.23%	
RICHMOND	200549	111991	8207	76236	151244	78601	5630	63232	774	10663	5077	10870	16.05%	Augusta-Richmond C
ROCKDALE	85215	40736	8063	34826	62301	27292	5017	28709	15104	27644	11478	18911	225.64%	**Atlanta-Sandy Spring**
SCHLEY	5010	1180	161	3612	3507	810	82	2579	1244	-14	844	33	4.25%	Americus,
SCREVEN	14593	6424	180	7898	10903	4470	106	6241	-781	-571	-180	-210	-4.49%	
SEMINOLE	8729	2960	204	5516	6725	2066	124	4489	-640	-303	-194	4	0.19%	
SPALDING	64073	21628	2451	38986	47862	14759	1612	30775	5656	3287	5377	2792	23.33%	**Atlanta-Sandy Spring**
STEPHENS	26175	3140	633	22006	20223	2153	363	17423	740	-8	755	-12	-0.55%	Toccoa,
STEWART	6058	2898	1454	1655	5109	2204	1438	1421	806	-363	1164	-132	-5.65%	Columbus, -AL
SUMTER	32819	17200	1717	13413	24518	11874	1098	11129	-381	841	550	1118	10.39%	Americus,
TALBOT	6865	4109	91	2639	5401	3081	66	2228	367	72	473	139	4.72%	Columbus, -AL
TALIAFERRO	1717	1043	35	625	1394	831	20	533	-360	-218	-183	-82	-8.98%	
TATTNALL	25520	7626	2502	15196	20114	6234	1598	12120	3215	542	2917	724	13.14%	

County (Metro Atlanta in Bold)	2010 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	2000 -2010 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
TAYLOR	8906	3548	164	5123	6728	2615	112	3944	91	-230	282	66	2.59%	
TELFAIR	16500	6134	2026	8429	13184	4730	1838	6720	4706	1566	4043	1319	38.67%	
TERRELL	9315	5764	157	3366	7011	4033	105	2854	-1655	-929	-845	-361	-8.22%	Albany,
THOMAS	44720	16739	1275	26081	33583	11915	793	20401	1983	-6	2447	673	5.99%	Thomasville,
TIFT	40118	11875	4037	23555	29758	8160	2376	18742	1711	995	1810	1146	16.34%	Tifton,
TOOMBS	27223	6949	3055	16887	19608	4484	1779	13099	1156	591	984	465	11.57%	Vidalia,
TOWNS	10471	53	206	10102	8830	43	149	8559	1152	36	1028	27	168.75%	
TREUTLEN	6885	2281	103	4466	5172	1583	70	3499	31	-2	99	22	1.41%	Dublin,
TROUP	67044	22972	2170	40408	49242	15769	1359	31106	8265	4053	6836	3280	26.26%	LaGrange, -AL
TURNER	8930	3745	282	4820	6727	2612	175	3879	-574	-160	20	156	6.35%	
TWIGGS	9023	3785	124	5059	7167	2898	89	4130	-1567	-863	-564	-306	-9.55%	Macon-Bibb County,
UNION	21356	116	519	20345	17563	81	347	16853	4067	5	3733	-10	-10.99%	
UPSON	27153	7752	588	18522	20736	5575	375	14562	-444	-5	171	192	3.57%	Thomaston,
WALKER	68756	3296	1113	63343	52500	2215	673	48872	7703	838	6563	523	30.91%	Chattanoo, TN-
WALTON	83768	13718	2683	65677	61180	9097	1619	49336	23081	4821	17716	3338	57.96%	**Atlanta-Sandy Spring**
WARE	36312	11010	1207	23583	27755	7849	764	18749	829	978	1076	927	13.39%	Waycross,
WARREN	5834	3624	54	2133	4461	2589	36	1815	-502	-159	-205	19	0.74%	
WASHINGTON	21187	11323	407	9339	16141	8286	299	7477	11	-2	669	483	6.19%	
WAYNE	30099	6298	1719	21749	22638	4543	1181	16655	3534	817	2964	679	17.57%	Jesup,
WEBSTER	2799	1201	98	1492	2089	861	49	1173	409	76	302	45	5.51%	
WHEELER	7421	2647	356	4405	6022	2219	253	3548	1242	578	1226	639	40.44%	
WHITE	27144	568	647	25453	20944	380	370	19852	7200	101	5622	36	10.47%	
WHITFIELD	102599	4519	32471	63818	73316	3063	18717	50242	19074	1015	12625	718	30.62%	Dalton,
WILCOX	9255	3305	338	5544	7468	2694	261	4470	678	183	844	358	15.33%	
WILKES	10593	4640	361	5495	8237	3457	218	4505	-94	-2	111	41	1.20%	
WILKINSON	9563	3720	214	5529	7239	2693	137	4340	-657	-477	-198	-146	-5.14%	
WORTH	21679	6091	335	15044	16336	4249	217	11699	-288	-441	653	120	2.91%	Albany,
Total	**9687653**	**3054098**	**853689**	**5413920**	**7196101**	**2140789**	**539002**	**4242514**	**1501200**	**660673**	**1178882**	**517311**	**24.16%**	

EXHIBIT G-4

County (Metro Atlanta in Bold)	2000 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	1990 -2000 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
APPLING	17419	3450	792	13053	12690	2259	513	9826	1675	182	1530	299	15.26%	
ATKINSON	7609	1506	1290	4760	5301	1025	750	3487	1396	-152	950	-23	-2.19%	Douglas,
BACON	10103	1627	342	8068	7455	996	235	6176	537	147	747	163	19.57%	
BAKER	4074	2062	111	1889	2961	1407	64	1482	459	201	426	204	16.96%	
BALDWIN	44700	19573	607	23920	34979	14341	430	19749	5170	2867	4607	2322	19.32%	Milledgeville,
BANKS	14422	477	493	13256	10646	340	309	9856	4114	113	3075	82	31.78%	
BARROW	46144	4675	1460	38543	33019	3115	961	28072	16423	1321	11612	873	38.94%	**Atlanta-Sandy Spring**
BARTOW	76019	6829	2524	65644	54820	4541	1631	47917	20108	1803	14285	1042	29.78%	**Atlanta-Sandy Spring**
BEN HILL	17484	5754	800	10818	12675	3742	565	8287	1239	666	1412	663	21.53%	Fitzgerald,
BERRIEN	16235	1882	384	13761	11811	1198	220	10252	2082	234	1567	189	18.73%	
BIBB	153887	73402	2023	76262	113007	48994	1392	60951	3920	10876	2903	7252	17.37%	Macon-Bibb County,
BLECKLEY	11666	2891	107	8505	8565	1878	76	6503	1236	559	884	382	25.53%	
BRANTLEY	14629	612	152	13712	10484	396	96	9879	3552	16	2772	17	4.49%	Brunswick,
BROOKS	16450	6529	505	9303	12025	4267	360	7329	1052	139	1219	345	8.80%	Valdosta,
BRYAN	23417	3431	465	19138	16128	2201	284	13367	7979	1138	5694	755	52.21%	Savannah,
BULLOCH	55983	16271	1052	37998	43503	11800	816	30318	12858	5045	10215	4275	56.81%	Statesboro,
BURKE	22243	11421	316	10336	15289	7227	196	7735	1664	665	1539	675	10.30%	Augusta-Richmond C
BUTTS	19522	5705	277	13366	14823	4194	196	10298	4196	267	3444	308	7.93%	**Atlanta-Sandy Spring**
CALHOUN	6320	3845	189	2368	4925	2908	155	1939	1307	892	1368	968	49.90%	
CAMDEN	43664	9077	1585	31975	29832	5655	975	22486	13497	2998	8815	1592	39.18%	St. Marys,
CANDLER	9577	2623	882	6028	7009	1796	594	4592	1833	218	1369	233	14.91%	
CARROLL	87268	14647	2243	69258	64638	9952	1625	52256	15846	3416	12357	2350	30.91%	**Atlanta-Sandy Spring**
CATOOSA	53282	767	621	51013	39526	455	392	38065	10818	410	8085	197	76.36%	Chattanoo, TN-
CHARLTON	10282	3057	81	7014	7456	2157	48	5154	1786	702	1601	675	45.55%	
CHATHAM	232048	95242	5403	125802	173965	64328	3822	101588	15113	12634	14316	9112	16.50%	Savannah,
CHATTAHOOCHEE	14882	4701	1551	8181	10656	3068	1042	6209	-2052	-534	-1548	-502	-14.06%	Columbus, -AL
CHATTOOGA	25470	2960	537	21776	19636	2339	396	16774	3228	1019	3088	1002	74.94%	Summerville,
CHEROKEE	141903	3851	7695	127618	101793	2482	5281	92111	51699	2158	36932	1277	105.98%	**Atlanta-Sandy Spring**
CLARKE	101489	28165	6436	62895	83381	19433	4529	56121	13895	5230	13339	4138	27.05%	Athens-Clarke Count
CLAY	3357	2044	32	1282	2493	1377	17	1096	-7	0	112	46	3.46%	
CLAYTON	236517	124550	17728	82637	165596	79831	11823	65444	54465	81147	34399	51042	177.30%	**Atlanta-Sandy Spring**
CLINCH	6878	2057	54	4713	4962	1355	32	3537	718	375	646	317	30.54%	
COBB	607751	118229	46964	417947	449345	79717	32367	319272	160006	74075	114844	48983	159.38%	**Atlanta-Sandy Spring**

County (Metro Atlanta in Bold)	2000 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	1990 -2000 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
COFFEE	37413	9806	2550	24701	26831	6499	1609	18475	7821	2302	6093	1820	38.90%	Douglas,
COLQUITT	42053	9989	4554	27252	30510	6377	3037	20906	5408	1128	4242	986	18.29%	Moultrie,
COLUMBIA	89288	10375	2313	72438	62858	6886	1463	51640	23257	3093	16971	1741	33.84%	Augusta-Richmond C
COOK	15771	4645	485	10526	11318	2925	307	7987	2315	614	1723	405	16.07%	
COWETA	89215	16286	2797	68867	63573	10644	2072	49992	35362	4092	25071	2676	33.58%	**Atlanta-Sandy Spring**
CRAWFORD	12495	3019	301	9037	9047	2143	235	6572	3504	262	2597	239	12.55%	Macon-Bibb County,
CRISP	21996	9624	382	11778	15618	5990	274	9193	1985	1471	1602	1072	21.80%	Cordele,
DADE	15154	103	137	14685	11541	86	90	11198	2007	2	1816	8	10.26%	Chattanoo, TN-
DAWSON	15999	73	254	15429	11991	39	180	11598	6570	69	5177	37	1850.00%	**Atlanta-Sandy Spring**
DECATUR	28240	11353	905	15800	20178	7372	565	12097	2729	1283	2267	996	15.62%	Bainbridge,
DEKALB	665865	368516	52542	214685	501887	253585	39251	185270	120028	138091	85603	96167	61.09%	**Atlanta-Sandy Spring**
DODGE	19171	5670	248	13142	14192	3822	162	10126	1564	806	1145	485	14.53%	
DOOLY	11525	5743	537	5161	8577	4032	339	4135	1624	891	1666	1013	33.55%	
DOUGHERTY	96065	58154	1292	35794	69489	38854	874	29091	-246	9767	2495	8532	28.14%	Albany,
DOUGLAS	92174	17653	2640	69965	66739	11530	1679	52179	21054	12056	15768	7868	214.86%	**Atlanta-Sandy Spring**
EARLY	12354	5996	152	6159	8813	3805	86	4877	500	770	523	591	18.39%	
ECHOLS	3754	261	739	2688	2654	169	501	1936	1420	-3	1017	18	11.92%	Valdosta,
EFFINGHAM	37535	4985	531	31493	26301	3197	324	22422	11848	1365	8589	894	38.82%	Savannah,
ELBERT	20511	6360	489	13505	15209	4324	372	10407	1562	642	1348	531	14.00%	
EMANUEL	21837	7318	745	13663	15762	4662	562	10451	1291	637	1461	683	17.17%	
EVANS	10495	3477	625	6333	7611	2294	435	4837	1771	514	1445	435	23.40%	
FANNIN	19798	32	130	19312	15654	20	88	15314	3806	27	3369	16	400.00%	
FAYETTE	91263	10832	2582	74820	64709	7086	1702	53926	28848	7452	20521	4849	216.76%	**Atlanta-Sandy Spring**
FLOYD	90565	12345	4983	71674	68329	8333	3288	55597	9314	1239	6547	926	12.50%	Rome,
FORSYTH	98407	770	5477	90820	70941	533	3787	65662	54324	756	38231	519	3707.14%	**Atlanta-Sandy Spring**
FRANKLIN	20285	1837	187	18064	15431	1273	132	13880	3635	156	2734	156	13.97%	
FULTON	816006	369014	48056	369997	616716	261196	35704	297707	167055	45006	124950	35953	15.96%	**Atlanta-Sandy Spring**
GILMER	23456	76	1815	21287	17753	43	1200	16301	10088	39	7749	9	26.47%	
GLASCOCK	2556	218	12	2309	1947	163	6	1761	199	-80	145	-63	-27.88%	
GLYNN	67568	18147	2019	46566	50460	11922	1380	36533	5072	2206	4207	1562	15.08%	Brunswick,
GORDON	44104	1633	3268	38642	32606	1104	2318	28782	9032	312	7032	214	24.04%	Calhoun,
GRADY	23659	7207	1222	14954	17206	4708	827	11473	3380	812	2653	572	13.83%	
GREENE	14406	6434	420	7481	10792	4284	267	6181	2613	547	2609	626	17.11%	

County (Metro Atlanta in Bold)	2000 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	1990 -2000 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
GWINNETT	588448	81804	64137	394164	422455	54593	44167	289400	235538	63629	168259	41685	322.94%	**Atlanta-Sandy Spring**
HABERSHAM	35902	1708	2750	30486	27471	1378	1707	23711	8281	154	6384	13	0.95%	Cornelia,
HALL	139277	10486	27242	98942	101760	7092	17424	75382	43849	2291	30791	1607	29.30%	inesville,
HANCOCK	10076	7855	54	2141	7651	5697	44	1885	1168	778	1536	1128	24.69%	Milledgeville,
HARALSON	25690	1443	143	23799	18992	966	97	17691	3724	16	2848	7	0.73%	**Atlanta-Sandy Spring**
HARRIS	23695	4662	260	18444	17630	3344	186	13853	5907	91	4342	82	2.51%	Columbus, -AL
HART	22997	4517	196	18087	17595	3121	137	14205	3285	515	2774	529	20.41%	
HEARD	11012	1221	116	9580	7848	856	65	6856	2384	58	1669	92	12.04%	**Atlanta-Sandy Spring**
HENRY	119341	17976	2692	95550	84480	11865	1690	68770	60600	11908	41955	7570	176.25%	**Atlanta-Sandy Spring**
HOUSTON	110765	28046	3363	76391	79549	18390	2252	56784	21557	8670	15523	6073	49.31%	Warner Robins,
IRWIN	9931	2585	202	7102	7071	1610	126	5309	1282	-45	904	-14	-0.86%	
JACKSON	41589	3356	1249	36314	30518	2423	793	26894	11584	452	8464	372	18.14%	Jefferson,
JASPER	11426	3145	236	7964	8317	2153	153	5959	2973	205	2249	190	9.68%	**Atlanta-Sandy Spring**
JEFF DAVIS	12684	1932	651	9992	9230	1302	436	7407	652	98	575	89	7.34%	
JEFFERSON	17266	9756	259	7215	12363	6553	185	5607	-142	56	203	293	4.68%	
JENKINS	8575	3496	287	4766	6132	2280	203	3634	328	84	320	126	5.85%	
JOHNSON	8560	3168	78	5307	5981	1891	54	4034	231	329	91	167	9.69%	Dublin,
JONES	23639	5569	169	17649	17228	4052	102	12888	2900	252	2277	344	9.28%	Macon-Bibb County,
LAMAR	15912	4895	172	10683	12013	3496	128	8274	2874	453	2419	468	15.46%	**Atlanta-Sandy Spring**
LANIER	7241	1878	126	5122	5258	1288	80	3811	1710	408	1343	341	36.01%	Valdosta,
LAURENS	44874	15619	529	28199	32829	10443	334	21689	4886	2315	4099	1883	22.00%	Dublin,
LEE	24757	3889	300	20203	17168	2722	178	14023	8507	754	6134	547	25.15%	Albany,
LIBERTY	61610	27467	5022	27244	41916	17267	3181	20050	8865	6812	5214	3843	28.63%	Hinesville,
LINCOLN	8348	2883	81	5321	6311	2061	54	4149	906	57	857	147	7.68%	Augusta-Richmond C
LONG	10304	2576	870	6678	6893	1560	541	4687	4102	1234	2571	699	81.18%	Hinesville,
LOWNDES	92115	31767	2447	55992	67981	21440	1655	43485	16134	7526	13241	5744	36.60%	Valdosta,
LUMPKIN	21016	343	728	19381	15914	244	447	14812	6443	105	4889	68	38.64%	
MACON	21231	8045	284	12795	15315	5314	167	9717	1112	725	1107	610	12.97%	
MADISON	10847	4042	99	6607	7805	2664	55	5007	2213	323	1594	150	5.97%	Athens-Clarke Count
MARION	14074	8419	364	5184	10187	5857	233	4011	960	725	1215	900	18.16%	
MCDUFFIE	25730	2216	507	22713	18966	1513	307	16936	4680	367	3532	233	18.20%	Augusta-Richmond C
MCINTOSH	7144	2465	413	4182	5119	1636	294	3128	1554	159	1127	93	6.03%	Brunswick,
MERIWETHER	22534	9560	191	12579	16536	6503	134	9747	123	-429	665	57	0.88%	**Atlanta-Sandy Spring**

County (Metro Atlanta in Bold)	2000 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	1990 -2000 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
MILLER	6383	1848	44	4456	4705	1188	26	3465	103	122	155	96	8.79%	
MITCHELL	23932	11524	491	11746	17392	7827	294	9137	3657	1877	3545	1929	32.71%	
MONROE	21757	6127	281	15150	16044	4423	188	11288	4644	721	3557	574	14.91%	Macon-Bibb County,
MONTGOMERY	8270	2262	271	5684	6199	1669	162	4325	1107	236	898	233	16.23%	Vidalia,
MORGAN	15457	4481	248	10619	11351	3114	159	7996	2574	22	2030	17	0.55%	**Atlanta-Sandy Spring**
MURRAY	36506	304	2006	33890	26302	169	1223	24692	10359	263	7573	145	604.17%	Dalton,
MUSCOGEE	186291	83157	8372	90668	136289	55832	5772	71510	7013	14996	5452	10698	23.70%	Columbus, -AL
NEWTON	62001	14008	1157	46007	44844	9228	741	34274	20193	4651	14712	2995	48.05%	**Atlanta-Sandy Spring**
OCONEE	26225	1731	833	23112	18294	1164	520	16259	8607	416	5734	301	34.88%	Athens-Clarke Count
OGLETHORPE	12635	2548	174	9817	9377	1790	115	7401	2872	129	2167	153	9.35%	Athens-Clarke Count
PAULDING	81678	5952	1398	73188	56599	3739	845	51262	40067	4304	27099	2640	240.22%	**Atlanta-Sandy Spring**
PEACH	23668	10816	998	11654	17505	7886	663	8812	2479	741	2081	809	11.43%	Warner Robins,
PICKENS	22983	308	467	21897	17570	211	313	16827	8551	61	6754	32	17.88%	**Atlanta-Sandy Spring**
PIERCE	15636	1746	357	13425	11467	1165	231	10009	2308	177	1892	135	13.11%	Waycross,
PIKE	13688	2056	167	11350	9909	1510	99	8229	3464	3	2479	61	4.21%	**Atlanta-Sandy Spring**
POLK	38127	5209	2921	29684	28190	3523	1862	22577	4312	418	3315	323	10.09%	Cedartown,
PULASKI	9588	3313	270	5932	7372	2433	174	4713	1480	681	1448	713	41.45%	
PUTNAM	18812	5703	407	12471	14444	3855	282	10163	4675	955	3945	699	22.15%	
QUITMAN	2598	1227	13	1351	1975	815	8	1142	389	120	336	83	11.34%	Eufaula, AL-
RABUN	15050	146	683	14023	11764	78	456	11086	3402	105	2674	40	105.26%	
RANDOLPH	7791	4648	92	3016	5662	3147	58	2427	-232	3	-4	185	6.25%	
RICHMOND	199775	101328	5545	88660	146167	67731	3794	71158	10056	21689	7921	15059	28.59%	Augusta-Richmond C
ROCKDALE	70111	13092	4182	50967	50823	8381	2961	38183	16020	8737	12059	5524	193.35%	**Atlanta-Sandy Spring**
SCHLEY	3766	1194	89	2462	2663	777	52	1825	178	-28	91	-35	-4.31%	Americus,
SCREVEN	15374	6995	147	8182	11083	4680	94	6268	1532	786	1294	732	18.54%	
SEMINOLE	9369	3263	347	5734	6919	2062	225	4598	359	320	274	226	12.31%	
SPALDING	58417	18341	947	38435	42485	11967	632	29386	3960	2556	3338	1839	18.16%	**Atlanta-Sandy Spring**
STEPHENS	25435	3148	250	21673	19468	2165	165	16880	2178	361	1819	244	12.70%	Toccoa,
STEWART	5252	3261	79	1926	3945	2336	45	1567	-402	-317	-164	-146	-5.88%	Columbus, -AL
SUMTER	33200	16359	891	15672	23968	10756	600	12389	2972	2314	2575	1879	21.17%	Americus,
TALBOT	6498	4037	82	2354	4928	2942	62	1909	-26	-30	171	134	4.77%	Columbus, -AL
TALIAFERRO	2077	1261	19	787	1577	913	13	649	162	94	192	114	14.27%	
TATTNALL	22305	7084	1883	13218	17197	5510	1219	10380	4583	1907	3758	1723	45.50%	

County (Metro Atlanta in Bold)	2000 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Bla	18+ Latinc	NH18+ White	1990 -2000 Change Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change	MSAs
TAYLOR	8815	3778	163	4847	6446	2549	125	3746	1173	478	940	375	17.25%	
TELFAIR	11794	4568	215	6993	9141	3411	170	5542	794	795	1186	936	37.82%	
TERRELL	10970	6693	136	4101	7856	4394	88	3341	317	316	367	359	8.90%	Albany,
THOMAS	42737	16745	734	24875	31136	11242	471	19129	3751	1986	3309	1684	17.62%	Thomasville,
TIFT	38407	10880	2944	24092	27948	7014	1923	18625	3409	1509	3008	1245	21.58%	Tifton,
TOOMBS	26067	6358	2310	17226	18624	4019	1406	13069	1995	721	1648	530	15.19%	Vidalia,
TOWNS	9319	17	67	9159	7802	16	57	7673	2565	17	2224	16	#DIV/0!	
TREUTLEN	6854	2283	79	4463	5073	1561	58	3433	860	299	782	283	22.14%	Dublin,
TROUP	58779	18919	1004	38261	42406	12489	695	28827	3243	2225	2376	1564	14.32%	LaGrange, -AL
TURNER	9504	3905	244	5315	6707	2456	180	4040	801	371	724	445	22.13%	
TWIGGS	10590	4648	112	5784	7731	3204	83	4407	784	147	922	284	9.73%	Macon-Bibb County,
UNION	17289	111	153	16837	13830	91	125	13474	5296	92	4510	76	506.67%	
UPSON	27597	7757	327	19271	20565	5383	222	14788	1297	485	944	357	7.10%	Thomaston,
WALKER	61053	2458	565	57336	45937	1692	364	43356	2713	212	2620	31	1.87%	Chattanoo, TN-
WALTON	60687	8897	1163	49731	43464	5759	775	36362	22101	1792	15610	1032	21.83%	**Atlanta-Sandy Spring**
WARE	35483	10032	688	24434	26679	6922	445	19098	12	794	708	821	13.46%	Waycross,
WARREN	6336	3783	51	2483	4666	2570	27	2050	258	127	305	197	8.30%	
WASHINGTON	21176	11325	134	9620	15472	7803	86	7511	2064	1451	1993	1288	19.77%	
WAYNE	26565	5481	1013	19838	19674	3864	720	14922	4209	1123	3813	1154	42.58%	Jesup,
WEBSTER	2390	1125	66	1186	1787	816	43	916	127	-7	149	29	3.68%	
WHEELER	6179	2069	219	3866	4796	1580	150	3046	1276	595	1301	655	70.81%	
WHITE	19944	467	311	18804	15322	344	209	14516	6938	107	5307	87	33.85%	
WHITFIELD	83525	3504	18419	60338	60691	2345	11396	46058	11063	603	7164	330	16.38%	Dalton,
WILCOX	8577	3122	139	5299	6624	2336	92	4178	1569	897	1602	942	67.58%	
WILKES	10687	4642	212	5758	8126	3416	164	4495	90	-267	337	30	0.89%	
WILKINSON	10220	4197	101	5893	7437	2839	74	4501	-8	-105	218	87	3.16%	
WORTH	21967	6532	240	14999	15683	4129	140	11267	2222	481	1928	420	11.32%	Albany,
Total	**8186453**	**2393425**	**435227**	**5128661**	**6017219**	**1623478**	**299258**	**3925585**	**1708237**	**646860**	**1266306**	**455336**		

EXHIBIT H

Georgia Senate
Benchmark_2014
Region A
Region B
0 7.5 15
Miles
District by BVAP
038 64.0%
042 24.3%
055 70.0%
046 16.9%
20.6%
035 1.4%
043 68.7%
010 75.0%
034 68.3%
017 41.7%
025 28.5%
016 22.0%
026 60.1%
023 35.6%
018 30.8%
015 56.7%
020 30.5%
004 23.8%
DEKALB
East Point
WALTON
Monroe
OGLETHORPE
WILKES
Washington
LINCOLN
Edgefield
GREENE
Greensboro
Madison
MORGAN
TALIAFERRO
COLUM
MCDUFFIE
WARREN
NEWTON
Covington
FAYETTE
Peachtree City
McDonough
HENRY
JASPER
Eatonton
PUTNAM
HANCOCK
GLASCOCK
SPALDING
Jackson
BUTTS
BALDWIN
Milledgeville
JEFFERSON
Waynesboro
BURKE
PIKE
LAMAR
Forsyth
JONES
Sandersville
WASHINGTON
UPSON
Thomaston
MONROE
Manchester
Macon
BIBB
WILKINSON
JENKINS
Millen
Sylvania
SCREVEN
TALBOT
CRAWFORD
JOHNSON
EMANUEL
Swainsboro
TWIGGS
Warner Robins
TAYLOR
Butler
PEACH
Dublin
BULLOCH
Statesboro
Perry
LAURENS
Metter
CANDLER
MARION
MACON
HOUSTON
Cochran
TREUTLEN
Soperton
Montezuma
Hawkinsville
PULASKI
SCHLEY
Eastman
DODGE
Vidalia
TOOMBS
EVANS
BRYAN
DOOLY
WHEELER
Richland
WEBSTER
Americus
SUMTER
WILCOX
CRISP
Cordele
TELFAIR
TATTNALL
LIBERTY
LONG
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EXHIBIT I-1

Georgia Senate Districts- effective for 2014 election

Client: State
Plan: Senate14
Type: Senate

Legislative & Congressional Reapportionment Office
Georgia General Assembly

Map layers
Districts
County
0 20 40 60
Miles

Georgia Senate Districts- effective for 2014 election

Client: State
Plan: Senate14
Type: Senate

Georgia Senate Districts- effective for 2014 election

Client: State
Plan: Senate14
Type: Senate

Georgia Senate Districts- effective for 2014 election

Client: State
Plan: Senate14
Type: Senate

Plan Name: **Senate14** Plan Type : **Senate** User: **Gina** Administrator: **State**

DISTRICT		POPULATION	DEVIATION	% DEVIATION	BLACK	% BLACK	BLACK COMBO	TOTAL BLACK	%TOTAL BLACK	HISP. OR LATINO	%HISP
001		171,350	-1,644	-0.95%	37,852	22.09%	2,493	40,345	23.55%	10,252	5.98%
	VAP	127,614			26,202	20.53%	878	27,080	21.22%	6,353	4.98%
002		172,067	-927	-0.54%	92,824	53.95%	2,226	95,050	55.24%	9,860	5.73%
	VAP	132,543			66,470	50.15%	1,050	67,520	50.94%	6,981	5.27%
003		171,952	-1,042	-0.60%	39,606	23.03%	1,755	41,361	24.05%	8,534	4.96%
	VAP	129,192			28,065	21.72%	585	28,650	22.18%	5,463	4.23%
004		173,075	81	0.05%	41,571	24.02%	1,245	42,816	24.74%	8,958	5.18%
	VAP	131,149			30,454	23.22%	468	30,922	23.58%	5,691	4.34%
005		172,513	-481	-0.28%	49,881	28.91%	2,901	52,782	30.60%	71,815	41.63%
	VAP	119,904			33,732	28.13%	1,292	35,024	29.21%	45,746	38.15%
006		173,708	714	0.41%	39,863	22.95%	2,400	42,263	24.33%	24,754	14.25%
	VAP	137,161			30,590	22.30%	1,349	31,939	23.29%	16,160	11.78%
007		171,498	-1,496	-0.86%	39,294	22.91%	1,115	40,409	23.56%	11,685	6.81%
	VAP	128,245			28,401	22.15%	309	28,710	22.39%	6,972	5.44%
008		171,383	-1,611	-0.93%	56,380	32.90%	1,515	57,895	33.78%	9,198	5.37%
	VAP	128,253			40,080	31.25%	592	40,672	31.71%	5,852	4.56%
009		173,867	873	0.50%	34,699	19.96%	2,110	36,809	21.17%	18,207	10.47%
	VAP	125,254			22,663	18.09%	832	23,495	18.76%	11,604	9.26%
010		172,386	-608	-0.35%	118,775	68.90%	2,614	121,389	70.42%	7,140	4.14%
	VAP	125,304			84,709	67.60%	1,289	85,998	68.63%	4,386	3.50%
011		172,584	-410	-0.24%	57,123	33.10%	959	58,082	33.65%	13,703	7.94%
	VAP	127,856			39,947	31.24%	352	40,299	31.52%	8,305	6.50%
012		173,031	37	0.02%	107,565	62.17%	1,262	108,827	62.89%	6,147	3.55%
	VAP	130,495			76,605	58.70%	556	77,161	59.13%	4,550	3.49%
013		171,539	-1,455	-0.84%	55,521	32.37%	951	56,472	32.92%	8,156	4.75%
	VAP	128,351			39,341	30.65%	314	39,655	30.90%	5,009	3.90%
014		173,151	157	0.09%	15,505	8.95%	1,636	17,141	9.90%	18,976	10.96%
	VAP	126,557			10,603	8.38%	465	11,068	8.75%	11,707	9.25%
015		173,280	286	0.17%	96,128	55.48%	2,958	99,086	57.18%	10,633	6.14%
	VAP	128,462			69,203	53.87%	1,220	70,423	54.82%	6,935	5.40%

Plan Name: **Senate14** Plan Type : **Senate** User: **Gina** Administrator: **State**

DISTRICT		POPULATION	DEVIATION	% DEVIATION	BLACK	% BLACK	BLACK COMBO	TOTAL BLACK	%TOTAL BLACK	HISP. OR LATINO	%HISP
016		172,012	-982	-0.57%	35,797	20.81%	1,478	37,275	21.67%	7,128	4.14%
	VAP	127,450			25,465	19.98%	519	25,984	20.39%	4,552	3.57%
017		171,822	-1,172	-0.68%	51,053	29.71%	2,106	53,159	30.94%	7,980	4.64%
	VAP	121,373			33,663	27.74%	747	34,410	28.35%	4,852	4.00%
018		172,982	-12	-0.01%	48,323	27.94%	1,242	49,565	28.65%	6,126	3.54%
	VAP	132,567			35,668	26.91%	447	36,115	27.24%	3,906	2.95%
019		173,261	267	0.15%	45,980	26.54%	1,751	47,731	27.55%	15,524	8.96%
	VAP	128,915			33,460	25.96%	529	33,989	26.37%	10,084	7.82%
020		173,859	865	0.50%	50,174	28.86%	1,700	51,874	29.84%	7,596	4.37%
	VAP	128,979			35,317	27.38%	567	35,884	27.82%	4,759	3.69%
021		174,508	1,514	0.88%	11,300	6.48%	1,358	12,658	7.25%	11,742	6.73%
	VAP	125,212			7,721	6.17%	489	8,210	6.56%	7,457	5.96%
022		171,645	-1,349	-0.78%	101,076	58.89%	2,998	104,074	60.63%	7,217	4.20%
	VAP	129,039			71,660	55.53%	1,337	72,997	56.57%	4,982	3.86%
023		171,559	-1,435	-0.83%	62,136	36.22%	1,544	63,680	37.12%	5,511	3.21%
	VAP	128,048			43,718	34.14%	496	44,214	34.53%	3,559	2.78%
024		172,595	-399	-0.23%	33,638	19.49%	1,599	35,237	20.42%	6,943	4.02%
	VAP	129,147			24,539	19.00%	470	25,009	19.36%	4,236	3.28%
025		174,016	1,022	0.59%	52,329	30.07%	1,171	53,500	30.74%	5,684	3.27%
	VAP	134,483			38,282	28.47%	378	38,660	28.75%	3,698	2.75%
026		171,351	-1,643	-0.95%	103,229	60.24%	1,561	104,790	61.16%	5,003	2.92%
	VAP	126,588			72,782	57.50%	626	73,408	57.99%	3,298	2.61%
027		172,726	-268	-0.15%	4,490	2.60%	778	5,268	3.05%	16,179	9.37%
	VAP	120,121			2,998	2.50%	277	3,275	2.73%	10,177	8.47%
028		172,358	-636	-0.37%	28,697	16.65%	1,436	30,133	17.48%	9,562	5.55%
	VAP	126,140			20,138	15.96%	414	20,552	16.29%	6,218	4.93%
029		173,911	917	0.53%	45,511	26.17%	1,733	47,244	27.17%	7,317	4.21%
	VAP	131,011			32,576	24.87%	552	33,128	25.29%	4,795	3.66%
030		172,531	-463	-0.27%	33,612	19.48%	2,207	35,819	20.76%	10,302	5.97%
	VAP	125,663			23,275	18.52%	700	23,975	19.08%	6,291	5.01%

Plan Name: **Senate14** Plan Type : **Senate** User: **Gina** Administrator: **State**

DISTRICT		POPULATION	DEVIATION	% DEVIATION	BLACK	% BLACK	BLACK COMBO	TOTAL BLACK	%TOTAL BLACK	HISP. OR LATINO	%HISP
031		174,298	1,304	0.75%	23,616	13.55%	1,798	25,414	14.58%	10,762	6.17%
	VAP	124,828			15,799	12.66%	511	16,310	13.07%	6,220	4.98%
032		174,271	1,277	0.74%	14,817	8.50%	1,334	16,151	9.27%	9,811	5.63%
	VAP	130,854			10,791	8.25%	542	11,333	8.66%	6,539	5.00%
033		174,114	1,120	0.65%	62,936	36.15%	3,058	65,994	37.90%	33,571	19.28%
	VAP	128,718			43,422	33.73%	1,379	44,801	34.81%	20,775	16.14%
034		173,063	69	0.04%	108,169	62.50%	2,853	111,022	64.15%	24,642	14.24%
	VAP	123,516			75,265	60.94%	1,375	76,640	62.05%	15,146	12.26%
035		173,728	734	0.42%	107,338	61.79%	3,013	110,351	63.52%	13,774	7.93%
	VAP	122,650			72,472	59.09%	1,309	73,781	60.16%	8,213	6.70%
036		172,083	-911	-0.53%	103,348	60.06%	2,338	105,686	61.42%	12,232	7.11%
	VAP	137,631			78,481	57.02%	1,630	80,111	58.21%	8,800	6.39%
037		172,832	-162	-0.09%	30,548	17.67%	1,919	32,467	18.79%	13,258	7.67%
	VAP	126,053			20,606	16.35%	802	21,408	16.98%	8,429	6.69%
038		174,530	1,536	0.89%	110,537	63.33%	2,421	112,958	64.72%	17,411	9.98%
	VAP	129,186			80,556	62.36%	1,289	81,845	63.35%	10,835	8.39%
039		173,809	815	0.47%	110,761	63.73%	2,303	113,064	65.05%	9,651	5.55%
	VAP	139,465			83,562	59.92%	1,557	85,119	61.03%	6,962	4.99%
040		173,539	545	0.32%	26,747	15.41%	1,754	28,501	16.42%	36,807	21.21%
	VAP	133,946			20,482	15.29%	1,010	21,492	16.05%	25,354	18.93%
041		173,452	458	0.26%	90,037	51.91%	2,732	92,769	53.48%	23,281	13.42%
	VAP	127,577			64,136	50.27%	1,444	65,580	51.40%	14,850	11.64%
042		172,447	-547	-0.32%	42,913	24.88%	1,779	44,692	25.92%	24,229	14.05%
	VAP	138,757			33,570	24.19%	1,094	34,664	24.98%	16,922	12.20%
043		172,105	-889	-0.51%	105,035	61.03%	2,631	107,666	62.56%	12,251	7.12%
	VAP	123,175			71,792	58.28%	1,213	73,005	59.27%	7,461	6.06%
044		174,464	1,470	0.85%	122,966	70.48%	2,787	125,753	72.08%	14,561	8.35%
	VAP	127,853			87,966	68.80%	1,378	89,344	69.88%	9,051	7.08%
045		173,558	564	0.33%	24,226	13.96%	1,927	26,153	15.07%	22,225	12.81%
	VAP	120,526			15,902	13.19%	691	16,593	13.77%	13,760	11.42%

Plan Name: **Senate14** Plan Type : **Senate** User: **Gina** Administrator: **State**

DISTRICT		POPULATION	DEVIATION	% DEVIATION	BLACK	% BLACK	BLACK COMBO	TOTAL BLACK	%TOTAL BLACK	HISP. OR LATINO	%HISP
046		174,230	1,236	0.71%	30,244	17.36%	1,313	31,557	18.11%	8,606	4.94%
	VAP	135,912			21,845	16.07%	563	22,408	16.49%	5,673	4.17%
047		174,417	1,423	0.82%	25,803	14.79%	1,534	27,337	15.67%	16,455	9.43%
	VAP	129,264			18,117	14.02%	489	18,606	14.39%	9,911	7.67%
048		171,240	-1,754	-1.01%	25,398	14.83%	1,929	27,327	15.96%	21,232	12.40%
	VAP	122,833			17,133	13.95%	794	17,927	14.59%	13,645	11.11%
049		173,823	829	0.48%	12,877	7.41%	1,070	13,947	8.02%	44,504	25.60%
	VAP	125,571			9,143	7.28%	322	9,465	7.54%	25,911	20.63%
050		171,792	-1,202	-0.69%	9,219	5.37%	1,099	10,318	6.01%	13,621	7.93%
	VAP	131,117			6,960	5.31%	256	7,216	5.50%	7,940	6.06%
051		173,593	599	0.35%	1,471	0.85%	498	1,969	1.13%	7,454	4.29%
	VAP	136,858			1,128	0.82%	148	1,276	0.93%	4,570	3.34%
052		172,494	-500	-0.29%	19,604	11.37%	1,418	21,022	12.19%	18,234	10.57%
	VAP	128,253			13,936	10.87%	368	14,304	11.15%	10,849	8.46%
053		173,151	157	0.09%	7,102	4.10%	1,091	8,193	4.73%	3,905	2.26%
	VAP	132,044			5,563	4.21%	239	5,802	4.39%	2,345	1.78%
054		173,417	423	0.24%	4,520	2.61%	968	5,488	3.16%	38,990	22.48%
	VAP	125,379			3,377	2.69%	250	3,627	2.89%	22,395	17.86%
055		174,196	1,202	0.69%	114,253	65.59%	3,254	117,507	67.46%	11,564	6.64%
	VAP	123,203			78,012	63.32%	1,571	79,583	64.60%	6,951	5.64%
056		174,487	1,493	0.86%	26,018	14.91%	2,040	28,058	16.08%	22,826	13.08%
	VAP	129,856			19,127	14.73%	996	20,123	15.50%	14,917	11.49%

Total Population: 9,687,653

Ideal Value: 172,994

Summary Statistics

Population Range: 171,240 to 174,530

Absolute Overall Range: 3,290

Relative Range: -1.01% to 0.89%

Relative Overall Range: 1.90%

EXHIBIT I-2

Proposed Georgia Senate Districts

Client: S028
Plan: senprop1
Type: Senate

Legislative & Congressional Reapportionment Office
Georgia General Assembly

Map layers
Districts
County
0 20 40 60
Miles

EXHIBIT I-3

Georgia Senate Districts 2006

Client: State
Plan: Senate06
Type: Senate

EXHIBIT J-1

Population Summary Report

Georgia State Senate --2014 Benchmark Plan

District	2020 Pop.	% 2020 Deviation	18+ Pop	18+ AP Black	% 18+ AP Black	18+_NH White	% 18+ NH White	2015-19 BCVAP*	2015-19 LCVAP*	2015-19 ACVAP*	2015-19 B+L+A CVAP*	2015-19 NH White CVAP*
001	198887	3.97%	152297	35451	23.28%	96772	63.54%	22.69%	5.60%	2.50%	30.79%	68.07%
002	189492	-0.94%	150134	70693	47.09%	60178	40.08%	53.43%	4.30%	1.46%	59.18%	40.00%
003	177449	-7.23%	138541	28640	20.67%	95762	69.12%	22.80%	3.18%	1.40%	27.39%	71.81%
004	193292	1.05%	147437	35090	23.80%	99258	67.32%	24.14%	2.82%	0.76%	27.72%	71.45%
005	196143	2.54%	142732	43538	30.50%	23318	16.34%	39.22%	19.37%	13.57%	72.16%	26.68%
006	210532	10.06%	172356	43196	25.06%	92734	53.80%	25.05%	5.73%	4.64%	35.42%	64.09%
007	171471	-10.36%	130540	30505	23.37%	88112	67.50%	24.31%	3.43%	0.47%	28.21%	71.23%
008	179719	-6.05%	135732	46162	34.01%	77098	56.80%	33.19%	4.02%	1.18%	38.39%	60.73%
009	208385	8.94%	154183	44050	28.57%	70409	45.67%	25.32%	8.13%	8.70%	42.15%	56.96%
010	189350	-1.01%	146159	109589	74.98%	24225	16.57%	73.45%	3.29%	2.66%	79.39%	19.99%
011	176167	-7.90%	134129	43418	32.37%	77682	57.92%	34.09%	3.11%	0.59%	37.78%	61.39%
012	156514	-18.18%	122414	76043	62.12%	39684	32.42%	63.31%	1.39%	0.68%	65.38%	34.05%
013	166659	-12.87%	128573	40500	31.50%	78559	61.10%	32.60%	2.73%	0.91%	36.23%	63.09%
014	201621	5.40%	153905	16759	10.89%	111171	72.23%	10.68%	6.08%	1.75%	18.52%	80.36%
015	167658	-12.35%	127245	72150	56.70%	43673	34.32%	55.52%	5.54%	1.20%	62.26%	36.50%
016	185112	-3.23%	142191	31282	22.00%	96558	67.91%	21.58%	3.25%	1.96%	26.79%	72.18%
017	203628	6.45%	151694	63292	41.72%	74437	49.07%	35.83%	3.75%	1.13%	40.71%	58.47%
018	181317	-5.21%	142464	43919	30.83%	87228	61.23%	30.31%	2.09%	1.11%	33.52%	65.66%
019	171580	-10.30%	130086	35842	27.55%	80326	61.75%	28.65%	4.82%	0.49%	33.95%	65.24%
020	194874	1.88%	146865	44728	30.46%	88596	60.32%	30.31%	3.34%	1.99%	35.64%	63.45%
021	213660	11.70%	161932	12410	7.66%	120173	74.21%	7.30%	4.78%	3.41%	15.49%	83.83%
022	177079	-7.43%	137131	80572	58.76%	44194	32.23%	60.81%	4.00%	1.50%	66.31%	32.82%
023	172283	-9.93%	133828	47670	35.62%	76938	57.49%	34.71%	2.44%	1.16%	38.31%	60.89%
024	201121	5.14%	152283	31388	20.61%	104217	68.44%	20.74%	3.65%	2.67%	27.06%	72.23%
025	184090	-3.76%	146057	41632	28.50%	94913	64.98%	30.11%	2.17%	0.99%	33.27%	66.32%
026	162113	-15.25%	123874	74504	60.14%	42998	34.71%	60.87%	1.71%	0.71%	63.28%	36.27%
027	247844	29.57%	178599	8702	4.87%	119868	67.12%	3.95%	5.33%	7.35%	16.63%	82.62%
028	193759	1.29%	148139	25846	17.45%	106941	72.19%	17.43%	4.00%	1.42%	22.85%	76.32%
029	190152	-0.59%	146692	41511	28.30%	89648	61.11%	28.79%	3.92%	2.16%	34.87%	64.43%
030	185628	-2.96%	140487	32442	23.09%	92957	66.17%	22.57%	3.58%	1.07%	27.23%	71.80%
031	200874	5.01%	148856	26030	17.49%	107611	72.29%	14.69%	4.17%	0.65%	19.51%	79.72%
032	191820	0.28%	146090	15068	10.31%	100623	68.88%	9.43%	4.72%	6.29%	20.45%	78.78%
033	194620	1.74%	149098	57946	38.86%	54199	36.35%	42.38%	9.42%	2.68%	54.48%	44.66%
034	193843	1.34%	143989	98409	68.34%	20582	14.29%	71.98%	5.24%	3.44%	80.65%	18.33%
035	207451	8.45%	155438	110949	71.38%	29749	19.14%	68.38%	4.15%	0.96%	73.49%	25.68%
036	194797	1.84%	160571	86374	53.79%	55677	34.67%	55.27%	3.64%	2.85%	61.76%	37.72%
037	192450	0.61%	149015	32301	21.68%	93201	62.54%	20.68%	5.28%	3.58%	29.54%	69.66%
038	194347	1.60%	149483	95641	63.98%	35249	23.58%	68.29%	4.41%	1.98%	74.69%	24.80%
039	205632	7.50%	170381	98999	58.10%	50264	29.50%	62.02%	2.97%	3.59%	68.58%	30.69%
040	195569	2.24%	151062	27069	17.92%	76038	50.34%	19.37%	6.80%	8.03%	34.21%	65.14%
041	196140	2.54%	146663	72979	49.76%	31519	21.49%	57.22%	6.08%	7.27%	70.57%	28.32%
042	188406	-1.50%	151516	36776	24.27%	82267	54.30%	27.82%	3.82%	5.74%	37.38%	61.71%
043	196565	2.76%	148422	102018	68.74%	33974	22.89%	66.24%	3.75%	1.45%	71.44%	27.81%
044	198371	3.70%	151932	110050	72.43%	22257	14.65%	74.99%	4.65%	3.54%	83.17%	15.89%
045	214703	12.24%	158272	29023	18.34%	80234	50.69%	17.75%	7.78%	10.08%	35.62%	63.70%
046	203757	6.52%	160011	27059	16.91%	113961	71.22%	18.37%	3.08%	2.76%	24.21%	75.11%
047	202081	5.64%	154098	23646	15.34%	105856	68.69%	15.67%	5.12%	2.23%	23.02%	76.30%
048	197406	3.20%	151281	28527	18.86%	57510	38.02%	20.30%	7.68%	20.19%	48.17%	50.90%
049	196756	2.86%	149277	11752	7.87%	96626	64.73%	8.65%	11.42%	2.05%	22.11%	77.08%
050	186077	-2.72%	145138	8642	5.95%	119197	82.13%	6.33%	4.30%	1.03%	11.66%	87.35%
051	193626	1.22%	158512	1962	1.24%	142807	90.09%	1.37%	2.34%	0.49%	4.20%	94.12%
052	179411	-6.21%	137797	16207	11.76%	101967	74.00%	11.79%	4.98%	0.90%	17.67%	81.60%
053	174643	-8.70%	135994	6402	4.71%	120228	88.41%	4.66%	1.45%	0.74%	6.86%	92.13%
054	176410	-7.78%	132248	4100	3.10%	95114	71.92%	3.35%	11.02%	0.79%	15.16%	83.25%
055	199509	4.30%	149542	104737	70.04%	26486	17.71%	72.06%	3.70%	1.73%	77.50%	21.77%
056	189065	-1.16%	146889	23796	16.20%	90510	61.62%	17.68%	5.90%	6.17%	29.75%	69.41%
Total 2020 Pop.	**10,711,908**	**47.75%**	**8,220,274**	**2,607,986**	**31.73%**	**4,342,333**	**52.82%**					
Majority Districts					**13**			**15**			**17**	**39**

CVAP Source:
* 2015-19 ACS Special Tabulation
Note: Citizen Voting Age Population (CVAP) percentages are disaggreagated from block-gorup level ACS estimates (with a survey midpoint of July 2017)

Source for disaggregation: Redistricting Data Hub
https://redistrictingdatahub.org/dataset/georgia-cvap-data-disaggregated-to-the-2020-block-level-2019/

EXHIBIT J-2

Population Summary Report

Georgia State Senate -2011 Plan

District	2020 Pop.	% 2020 Deviation	18+ Pop	18+ AP Black	% 18+ AP Black	18+_NH White	% 18+ NH White	2006-2010 BCVAP*	2006-2010 LCVAP*	2006-2010 ACVAP*	2006-2010 B+L+A CVAP*
001	171350	-0.95%	127614	27080	21.2%	89831	70.39%	20.07%	3.90%	2.00%	25.97%
002	172067	-0.54%	132543	67520	50.9%	54497	41.12%	53.36%	2.44%	1.13%	56.93%
003	171952	-0.60%	129192	28650	22.2%	92672	71.73%	22.46%	2.43%	0.74%	25.63%
004	173075	0.05%	131149	30922	23.6%	92265	70.35%	23.57%	1.64%	0.62%	25.83%
005	172323	-0.39%	119823	34545	28.8%	27743	23.15%	37.43%	12.69%	9.70%	59.82%
006	173708	0.41%	137161	31939	23.3%	81413	59.36%	21.15%	3.24%	2.60%	26.99%
007	171777	-0.70%	128025	27351	21.4%	92252	72.06%	22.07%	2.05%	0.06%	24.18%
008	171383	-0.93%	128253	40672	31.7%	79220	61.77%	31.99%	1.87%	0.67%	34.53%
009	173867	0.50%	125254	23495	18.8%	79744	63.67%	15.89%	3.88%	6.64%	26.41%
010	172386	-0.35%	125304	85998	68.6%	31542	25.17%	67.49%	2.23%	2.05%	71.77%
011	172584	-0.24%	127856	40299	31.5%	77812	60.86%	33.06%	1.98%	0.29%	35.33%
012	172926	-0.04%	130407	77155	59.2%	47349	36.31%	59.83%	1.10%	0.36%	61.29%
013	171365	-0.94%	128659	41020	31.9%	80830	62.82%	32.27%	1.88%	0.44%	34.59%
014	173151	0.09%	126557	11068	8.8%	100580	79.47%	8.76%	3.51%	1.03%	13.30%
015	173280	0.17%	128462	70423	54.8%	49110	38.23%	52.78%	3.55%	0.80%	57.13%
016	172012	-0.57%	127450	25984	20.4%	93645	73.48%	19.93%	1.99%	0.92%	22.84%
017	171822	-0.68%	121373	34410	28.4%	79927	65.85%	24.92%	2.66%	1.07%	28.65%
018	172982	-0.01%	132567	36115	27.2%	89587	67.58%	27.40%	1.65%	0.79%	29.84%
019	173261	0.15%	128915	33989	26.4%	83563	64.82%	27.37%	3.49%	0.33%	31.19%
020	173859	0.50%	128979	35884	27.8%	84987	65.89%	27.68%	2.00%	1.32%	31.00%
021	174508	0.88%	125212	8210	6.6%	101929	81.41%	5.89%	3.15%	2.14%	11.18%
022	171645	-0.78%	129039	72997	56.6%	48103	37.28%	55.66%	3.10%	1.26%	60.02%
023	172187	-0.47%	128540	44335	34.5%	78094	60.75%	34.57%	1.03%	0.65%	36.25%
024	171967	-0.59%	128655	24888	19.3%	95312	74.08%	19.50%	2.09%	1.85%	23.44%
025	174016	0.59%	134483	38660	28.8%	89944	66.88%	29.18%	1.35%	0.51%	31.04%
026	171351	-0.95%	126588	73408	58.0%	48667	38.45%	57.89%	1.11%	0.58%	59.58%
027	172726	-0.15%	120121	3275	2.7%	98446	81.96%	2.12%	3.37%	2.78%	8.27%
028	172358	-0.37%	126140	20552	16.3%	96736	76.69%	16.18%	2.45%	0.73%	19.36%
029	173911	0.53%	131011	33128	25.3%	89031	67.96%	26.03%	2.47%	1.41%	29.91%
030	172531	-0.27%	125663	23975	19.1%	93513	74.42%	18.06%	2.19%	0.56%	20.81%
031	174298	0.75%	124828	16310	13.1%	100359	80.40%	11.74%	2.53%	0.61%	14.88%
032	174271	0.74%	130854	11333	8.7%	102432	78.28%	8.75%	2.90%	4.29%	15.94%
033	174114	0.65%	128718	44801	34.8%	59010	45.84%	36.47%	5.14%	1.63%	43.24%
034	173063	0.04%	123516	76640	62.1%	26225	21.23%	64.69%	4.28%	3.71%	72.68%
035	173728	0.42%	122650	73781	60.2%	39009	31.81%	58.56%	2.88%	1.01%	62.45%
036	172083	-0.53%	137631	80111	58.2%	45549	33.10%	58.93%	2.84%	2.36%	64.13%
037	172832	-0.09%	126053	21408	17.0%	90383	71.70%	14.74%	3.86%	3.06%	21.66%
038	174530	0.89%	129186	81845	63.4%	33635	26.04%	68.01%	2.82%	1.36%	72.19%
039	173809	0.47%	139465	85119	61.0%	40407	28.97%	62.14%	2.33%	1.89%	66.36%
040	173539	0.32%	133946	21492	16.1%	74299	55.47%	16.17%	4.92%	6.06%	27.15%
041	173452	0.26%	127577	65580	51.4%	34734	27.23%	55.70%	4.08%	5.28%	65.06%
042	172447	-0.32%	138757	34664	25.0%	76721	55.29%	26.54%	3.61%	3.44%	33.59%
043	172105	-0.51%	123175	73005	59.3%	41279	33.51%	55.95%	2.19%	1.05%	59.19%
044	174464	0.85%	127853	89344	69.9%	24598	19.24%	71.85%	3.07%	2.30%	77.22%
045	173558	0.33%	120526	16593	13.8%	77283	64.12%	13.44%	5.74%	6.32%	25.50%
046	174230	0.71%	135912	22408	16.5%	102352	75.31%	16.77%	1.86%	1.95%	20.58%
047	174417	0.82%	129264	18606	14.4%	96620	74.75%	14.27%	3.16%	1.60%	19.03%
048	171430	-0.90%	122914	18406	15.0%	60176	48.96%	16.51%	4.70%	14.45%	35.66%
049	173823	0.48%	125571	9465	7.5%	87303	69.52%	8.32%	6.14%	1.36%	15.82%
050	171792	-0.69%	131117	7216	5.5%	113429	86.51%	5.27%	1.85%	0.73%	7.85%
051	173593	0.35%	136858	1276	0.9%	128844	94.14%	0.80%	1.41%	0.23%	2.44%
052	172494	-0.29%	128253	14304	11.2%	100866	78.65%	10.80%	2.49%	0.77%	14.06%
053	173151	0.09%	132044	5802	4.4%	121629	92.11%	4.32%	1.21%	0.43%	5.96%
054	173417	0.24%	125379	3627	2.9%	97436	77.71%	3.20%	6.52%	0.47%	10.19%
055	174196	0.69%	123203	79583	64.6%	33740	27.39%	63.88%	2.40%	1.91%	68.19%
056	174,487	0.86%	129,856	20123	15.5%	85,852	66.11%	0.14	3.46%	3.47%	20.93%

CVAP Source:
* 2006-10 ACS Special Tabulation
Note: Citizen Voting Age Population (CVAP) percentages are disaggreagated from block-gorup level ACS estimates (with a survey midpoint of July 2017

EXHIBIT J-3

Population Summary Report -- 2010 Census

Georgia State Senate -2006 Benchmark Plan

District	2010 Pop.	% 2010 Deviation	18+ Pop	18+ AP Black	% 18+ AP Black	18+_NH White	% 18+ NH White	2006-2010 BCVAP*	2006-2010 LCVAP*	2006-2010 ACVAP*	2006-2010 B+L+A CVAP*
001	184711	6.77%	138727	28211	20.34%	99045	71.40%	19.04%	3.71%	1.92%	24.67%
002	145784	-15.73%	112658	61726	54.79%	42284	37.53%	57.54%	2.07%	1.03%	60.64%
003	175054	1.19%	131558	28706	21.82%	94902	72.14%	22.04%	2.40%	0.73%	25.17%
004	182797	5.67%	138452	33267	24.03%	97083	70.12%	24.09%	1.57%	0.58%	26.24%
005	165465	-4.35%	116283	33067	28.44%	21463	18.46%	40.07%	13.89%	10.37%	64.33%
006	166643	-3.67%	126854	47911	37.77%	54761	43.17%	39.41%	4.53%	2.56%	46.50%
007	162770	-5.91%	120774	24525	20.31%	87389	72.36%	21.43%	2.19%	0.14%	23.76%
008	165743	-4.19%	124564	44682	35.87%	72509	58.21%	35.97%	1.94%	0.68%	38.59%
009	203621	17.70%	145121	38197	26.32%	75722	52.18%	23.89%	5.40%	6.37%	35.66%
010	173450	0.26%	127296	85751	67.36%	35990	28.27%	66.52%	1.92%	0.92%	69.36%
011	149726	-13.45%	110742	32490	29.34%	69166	62.46%	30.87%	2.01%	0.24%	33.12%
012	141413	-18.26%	106402	64913	61.01%	38212	35.91%	60.86%	1.04%	0.31%	62.21%
013	150866	-12.79%	111625	31860	28.54%	73782	66.10%	28.86%	1.67%	0.45%	30.98%
014	158067	-8.63%	121156	52475	43.31%	61431	50.70%	44.67%	1.42%	0.40%	46.49%
015	133879	-22.61%	98798	54594	55.26%	36113	36.55%	52.77%	4.36%	1.03%	58.16%
016	165379	-4.40%	122416	27345	22.34%	87358	71.36%	22.30%	2.11%	0.96%	25.37%
017	238272	37.73%	169706	48961	28.85%	111309	65.59%	25.89%	2.34%	1.09%	29.32%
018	181223	4.76%	135340	30636	22.64%	95435	70.51%	22.18%	2.17%	1.19%	25.54%
019	161882	-6.42%	118661	32286	27.21%	75769	63.85%	28.34%	3.90%	0.55%	32.79%
020	176026	1.75%	134154	40285	30.03%	87131	64.95%	30.48%	1.52%	0.89%	32.89%
021	171113	-1.09%	125264	8607	6.87%	102102	81.51%	6.68%	3.51%	2.19%	12.38%
022	138542	-19.92%	103278	62421	60.44%	35770	34.63%	59.52%	2.77%	1.07%	63.36%
023	153242	-11.42%	115804	46613	40.25%	62952	54.36%	39.61%	1.57%	0.74%	41.92%
024	182334	5.40%	134569	28263	21.00%	96242	71.52%	21.01%	2.35%	2.09%	25.45%
025	160177	-7.41%	125124	42949	34.33%	77377	61.84%	35.94%	1.21%	0.39%	37.54%
026	135905	-21.44%	99895	59270	59.33%	36366	36.40%	58.03%	1.45%	0.79%	60.27%
027	264822	53.08%	186205	6478	3.48%	154737	83.10%	2.82%	3.59%	2.09%	8.50%
028	191899	10.93%	140568	21340	15.18%	109867	78.16%	15.31%	2.26%	0.67%	18.24%
029	173136	0.08%	130030	33994	26.14%	87586	67.36%	26.29%	2.42%	1.31%	30.02%
030	212492	22.83%	153122	35660	23.29%	106598	69.62%	21.82%	2.75%	0.82%	25.39%
031	204694	18.32%	148103	17314	11.69%	119626	80.77%	10.37%	2.36%	0.55%	13.28%
032	151598	-12.37%	116859	11522	9.86%	88178	75.46%	8.99%	2.88%	3.97%	15.84%
033	158587	-8.33%	116259	42842	36.85%	51012	43.88%	38.30%	5.26%	1.53%	45.09%
034	160881	-7.00%	115085	75542	65.64%	27419	23.82%	65.89%	3.20%	2.29%	71.38%
035	214483	23.98%	152659	110519	72.40%	31056	20.34%	72.82%	2.21%	0.87%	75.90%
036	145158	-16.09%	117776	60646	51.49%	45548	38.67%	51.99%	2.57%	2.41%	56.97%
037	192546	11.30%	140657	23916	17.00%	100422	71.39%	15.00%	3.75%	3.05%	21.80%
038	145163	-16.09%	108443	63546	58.60%	36308	33.48%	61.94%	1.27%	0.83%	64.04%
039	146037	-15.58%	122766	60282	49.10%	48988	39.90%	50.12%	3.27%	2.75%	56.14%
040	153070	-11.52%	119014	15664	13.16%	69656	58.53%	12.70%	4.00%	6.52%	23.22%
041	150651	-12.92%	112808	41216	36.54%	46499	41.22%	38.29%	4.15%	6.40%	48.84%
042	147006	-15.02%	118734	33805	28.47%	64015	53.91%	31.12%	3.20%	3.15%	37.47%
043	177093	2.37%	127999	95437	74.56%	25236	19.72%	73.24%	1.56%	0.83%	75.63%
044	170216	-1.61%	122115	67541	55.31%	29482	24.14%	57.21%	5.31%	5.21%	67.73%
045	256939	48.52%	178613	27938	15.64%	112602	63.04%	14.98%	5.30%	6.28%	26.56%
046	181993	5.20%	141820	27119	19.12%	100341	70.75%	20.14%	2.21%	1.92%	24.27%
047	193917	12.09%	143996	17787	12.35%	114361	79.42%	11.59%	2.34%	1.44%	15.37%
048	198933	14.99%	141413	17034	12.05%	81921	57.93%	13.00%	3.98%	11.47%	28.45%
049	190699	10.23%	137589	10015	7.28%	96620	70.22%	7.91%	6.34%	1.34%	15.59%
050	164656	-4.82%	127509	8870	6.96%	110345	86.54%	7.06%	1.44%	0.59%	9.09%
051	190842	10.32%	149612	1387	0.93%	140803	94.11%	0.76%	1.39%	0.23%	2.38%
052	168885	-2.38%	125503	12854	10.24%	100230	79.86%	10.45%	2.42%	0.85%	13.72%
053	164710	-4.79%	125890	5810	4.62%	115710	91.91%	4.47%	1.11%	0.39%	5.97%
054	173407	0.24%	125160	3705	2.96%	97125	77.60%	3.28%	6.62%	0.53%	10.43%
055	158179	-8.56%	113993	81541	71.53%	22515	19.75%	71.4%	2.27%	2.21%	75.91%
056	160,877	-7.00%	120,580	19454	16.13%	80,045	66.38%	14.04%	3.40%	3.23%	20.67%

CVAP Source:
* 2006-10 ACS Special Tabulation
Note: Citizen Voting Age Population (CVAP) percentages are disaggreagated from block-gorup level ACS estimates (with a survey midpoint of July 2017

EXHIBIT K

Georgia Senate
2021_Plan_
Region A
Region B
0 10 20
Miles
District by BVAP
43.0%
042 30.8%
038 65.3%
036
039 60.7%
035 71.9%
044 71.3%
034 69.5%
010 71.5%
055 66.0%
043 64.3%
017 32.0%
19.9%
022 56.5%
025 33.5%
016 22.7%
018 30.4%
026 57.0%
023 35.5%
015 54.0%
020 31.3%
004 23.4%
North Atlanta
GWINNETT
COBB
DEKALB
ROCKDALE
FULTON
NEWTON
Stockbridge
McDonough
FAYETTE
Peachtree City
HENRY
SPALDING
Jackson
BUTTS
JASPER
PUTNAM
Eatonton
Monroe
OCONEE
WALTON
OGLETHORPE
WILKES
Washington
LINCOLN
Edgefield
GREENE
Greensboro
Madison
MORGAN
TALIAFERRO
COLUMBIA
MCDUFFIE
WARREN
RICH
HANCOCK
GLASCOCK
LAMAR
PIKE
Barnesville
Forsyth
BALDWIN
Milledgeville
JONES
JEFFERSON
Waynesboro
BURKE
Sandersville
UPSON
Thomaston
MONROE
Manchester
WASHINGTON
Macon
BIBB
WILKINSON
JENKINS
Millen
Sylvania
SCREVEN
TALBOT
CRAWFORD
TWIGGS
Warner Robins
JOHNSON
EMANUEL
Swainsboro
TAYLOR
Butler
PEACH
Dublin
Perry
HOUSTON
BLECKLEY
Cochran
LAURENS
TREUTLEN
Soperton
Metter
CANDLER
Statesboro
BULLOCH
MARION
MACON
Montezuma
Hawkinsville
PULASKI
SCHLEY
Eastman
DODGE
Vidalia
TOOMBS
EVANS
BRYAN
DOOLY
WHEELER
Richland
WEBSTER
Americus
SUMTER
WILCOX
CRISP
Cordele
TELFAIR
TATTNALL
LIBERTY
LONG
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EXHIBIT L

Client: S018
Plan: Senate-prop1-2021
Type: Senate

Proposed Georgia Senate Districts

Legislative and Congressional Reapportionment Office
Georgia General Assembly
Suite 407 Coverdell Legislative Office Bldg.

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Map layers
Districts
County
0 20 40
Miles

Proposed Georgia Senate Districts

Client: S018
Plan: Senate-prop1-2021
Type: Senate

Proposed Georgia Senate Districts

Client: S018
Plan: Senate-prop1-2021
Type: Senate

Proposed Georgia Senate Districts

Client: S018
Plan: Senate-prop1-2021
Type: Senate

User: S018
Plan Name: Senate-prop1-2021
Plan Type: Senate

Population Summary

Summary Statistics:

Population Range:	189,320 to 193,163
Ratio Range:	0.02
Absolute Range:	-1,964 to 1,879
Absolute Overall Range:	3,843
Relative Range:	-1.03% to 0.98%
Relative Overall Range:	2.01%
Absolute Mean Deviation:	1,012.61
Relative Mean Deviation:	0.53%
Standard Deviation:	1,154.96

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH_Wht]	[% NH_Blk]	[% Hispanic Origin]	[% NH_Asn]	[% NH_Ind]	[% NH_Hwn]	[% NH_Oth]	[% NH_2+ Races]
001	191,402	118	0.06%	145,428	75.98%	58.9%	23.66%	8.78%	2.64%	0.25%	0.3%	0.48%	4.99%
002	190,408	-876	-0.46%	150,843	79.22%	36.4%	47.51%	8.36%	3.4%	0.21%	0.15%	0.46%	3.49%
003	191,212	-72	-0.04%	148,915	77.88%	66.23%	20.92%	6.82%	1.22%	0.26%	0.09%	0.42%	4.04%
004	191,098	-186	-0.10%	146,443	76.63%	64.48%	22.6%	6.49%	1.86%	0.23%	0.07%	0.38%	3.9%
005	191,921	637	0.33%	139,394	72.63%	13.35%	26.84%	45.47%	10.98%	0.15%	0.04%	0.64%	2.52%
006	191,401	117	0.06%	155,781	81.39%	56.41%	21.47%	9.18%	7.21%	0.16%	0.03%	1.11%	4.42%
007	189,709	-1,575	-0.82%	147,425	77.71%	35.09%	20.08%	18.57%	21.67%	0.16%	0.04%	0.66%	3.72%
008	192,396	1,112	0.58%	145,144	75.44%	57.39%	30.03%	7.28%	1.21%	0.28%	0.07%	0.35%	3.4%
009	192,915	1,631	0.85%	142,054	73.64%	32.04%	28.46%	21.09%	13.98%	0.18%	0.03%	0.72%	3.48%
010	192,898	1,614	0.84%	147,884	76.66%	17.71%	68.95%	6.03%	3.1%	0.18%	0.03%	0.66%	3.34%
011	189,976	-1,308	-0.68%	144,597	76.11%	55.75%	31.13%	9.36%	0.69%	0.23%	0.03%	0.26%	2.54%
012	190,819	-465	-0.24%	149,154	78.17%	33.83%	58.82%	3.89%	0.86%	0.16%	0.02%	0.21%	2.2%
013	189,326	-1,958	-1.02%	144,141	76.13%	61.25%	27.08%	7.2%	1.2%	0.17%	0.02%	0.26%	2.81%
014	192,533	1,249	0.65%	155,340	80.68%	54.63%	16.79%	13.97%	9.46%	0.13%	0.04%	0.79%	4.19%
015	189,446	-1,838	-0.96%	144,506	76.28%	34.07%	52.31%	7.57%	1.31%	0.23%	0.27%	0.44%	3.79%
016	191,829	545	0.28%	147,133	76.7%	64.19%	22.31%	5.95%	3.04%	0.17%	0.03%	0.51%	3.79%
017	192,510	1,226	0.64%	144,472	75.05%	56.69%	31.21%	6.08%	1.41%	0.16%	0.05%	0.59%	3.81%
018	191,825	541	0.28%	150,196	78.3%	58.41%	30.01%	5.18%	2.42%	0.22%	0.03%	0.4%	3.33%
019	192,316	1,032	0.54%	146,131	75.98%	61.67%	24.76%	9.72%	0.58%	0.17%	0.06%	0.27%	2.77%
020	192,588	1,304	0.68%	147,033	76.35%	59.74%	30.65%	4.21%	1.73%	0.15%	0.05%	0.31%	3.16%
021	192,572	1,288	0.67%	145,120	75.36%	71.13%	6.52%	10.13%	7.38%	0.19%	0.04%	0.53%	4.08%
022	193,163	1,879	0.98%	150,450	77.89%	31.1%	56.58%	5.63%	1.97%	0.24%	0.18%	0.44%	3.86%
023	190,344	-940	-0.49%	144,113	75.71%	54.27%	34.66%	5.46%	1.16%	0.24%	0.1%	0.34%	3.78%
024	192,674	1,390	0.73%	148,602	77.13%	67.45%	18.98%	5.4%	3.31%	0.18%	0.09%	0.43%	4.15%
025	191,161	-123	-0.06%	148,917	77.9%	57.45%	33.4%	4.27%	1.08%	0.16%	0.05%	0.43%	3.16%
026	189,945	-1,339	-0.70%	145,744	76.73%	33.26%	57.37%	4.85%	0.83%	0.21%	0.04%	0.31%	3.14%
027	190,676	-608	-0.32%	139,196	73%	68%	4.31%	11.61%	11.41%	0.18%	0.04%	0.52%	3.94%
028	190,422	-862	-0.45%	144,973	76.13%	67.06%	18.79%	7.4%	1.96%	0.22%	0.04%	0.48%	4.06%
029	189,424	-1,860	-0.97%	145,674	76.9%	60.71%	26.22%	5.34%	3.02%	0.23%	0.1%	0.42%	3.97%

Population Summary

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH_Wht]	[% NH_Blk]	[% Hispanic Origin]	[% NH_Asn]	[% NH_Ind]	[% NH_Hwn]	[% NH_Oth]	[% NH_2+ Races]
030	191,475	191	0.10%	145,077	75.77%	66.97%	19.83%	7.27%	0.95%	0.23%	0.03%	0.49%	4.24%
031	192,560	1,276	0.67%	142,251	73.87%	65.2%	19.83%	8.85%	1.07%	0.23%	0.06%	0.58%	4.19%
032	192,448	1,164	0.61%	149,879	77.88%	63.13%	13.22%	12.09%	5.49%	0.2%	0.04%	0.91%	4.91%
033	192,694	1,410	0.74%	146,415	75.98%	26%	40.48%	26.72%	2.13%	0.19%	0.05%	0.86%	3.56%
034	190,668	-616	-0.32%	141,840	74.39%	11.11%	66.6%	14.82%	3.9%	0.23%	0.04%	0.6%	2.7%
035	192,839	1,555	0.81%	144,675	75.02%	16.46%	69.77%	8.68%	1.13%	0.17%	0.06%	0.64%	3.08%
036	192,282	998	0.52%	161,385	83.93%	33.1%	51.35%	7.56%	3.58%	0.17%	0.04%	0.53%	3.68%
037	192,671	1,387	0.73%	147,779	76.7%	62.38%	18.04%	9.99%	3.85%	0.16%	0.03%	0.78%	4.76%
038	193,155	1,871	0.98%	148,367	76.81%	20.03%	62.74%	9.72%	3.42%	0.18%	0.04%	0.58%	3.29%
039	191,500	216	0.11%	156,022	81.47%	25.32%	60.33%	6.1%	4.25%	0.16%	0.04%	0.57%	3.22%
040	190,544	-740	-0.39%	147,000	77.15%	43.69%	16.42%	24.81%	10.84%	0.12%	0.04%	0.65%	3.43%
041	191,023	-261	-0.14%	145,278	76.05%	18.86%	60.28%	7.32%	9.19%	0.22%	0.02%	0.64%	3.48%
042	190,940	-344	-0.18%	153,952	80.63%	49.91%	28.14%	10.13%	6.81%	0.13%	0.03%	0.61%	4.24%
043	192,729	1,445	0.76%	145,741	75.62%	23.45%	62.77%	8.13%	1.24%	0.17%	0.09%	0.67%	3.49%
044	190,036	-1,248	-0.65%	145,224	76.42%	13.02%	69.13%	9.96%	4.15%	0.16%	0.04%	0.62%	2.91%
045	190,692	-592	-0.31%	140,706	73.79%	52.74%	17.12%	14.66%	10.69%	0.13%	0.03%	0.62%	4.01%
046	190,312	-972	-0.51%	146,713	77.09%	67.24%	16.64%	7.99%	3.77%	0.2%	0.03%	0.58%	3.56%
047	190,607	-677	-0.35%	146,599	76.91%	64.67%	16.96%	11.22%	2.66%	0.16%	0.04%	0.58%	3.71%
048	190,123	-1,161	-0.61%	136,995	72.06%	49.01%	8.35%	7.58%	30.59%	0.13%	0.04%	0.55%	3.75%
049	189,355	-1,929	-1.01%	144,123	76.11%	60.85%	7.13%	26.24%	2.15%	0.15%	0.04%	0.35%	3.08%
050	189,320	-1,964	-1.03%	148,799	78.6%	78.61%	5.05%	11.08%	1.22%	0.22%	0.04%	0.26%	3.52%
051	190,167	-1,117	-0.58%	155,571	81.81%	88.75%	0.84%	5.43%	0.59%	0.31%	0.02%	0.3%	3.77%
052	190,799	-485	-0.25%	146,620	76.85%	71.8%	12.39%	10.11%	1.08%	0.21%	0.03%	0.35%	4.02%
053	190,236	-1,048	-0.55%	148,201	77.9%	85.78%	4.46%	3.98%	1%	0.24%	0.06%	0.3%	4.18%
054	192,443	1,159	0.61%	143,843	74.75%	65.71%	2.97%	26.66%	1.14%	0.19%	0.02%	0.25%	3.07%
055	190,155	-1,129	-0.59%	141,968	74.66%	18.09%	62.96%	10.14%	4.19%	0.17%	0.04%	0.73%	3.67%
056	191,226	-58	-0.03%	144,448	75.54%	73.9%	6.36%	8.63%	5.67%	0.11%	0.03%	0.75%	4.56%

Total: **10,711,908**
Ideal District: **191,284**

User: S018
Plan Name: Senate-prop1-2021
Plan Type: Senate

Population Summary

Summary Statistics:

Population Range:	189,320 to 193,163
Ratio Range:	0.02
Absolute Range:	-1,964 to 1,879
Absolute Overall Range:	3,843
Relative Range:	-1.03% to 0.98%
Relative Overall Range:	2.01%
Absolute Mean Deviation:	1,012.61
Relative Mean Deviation:	0.53%
Standard Deviation:	1,154.96

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH18+_Wht]	[% NH18+_Blk]	[% H18+_Pop]	[% NH18+_Asn]	[% NH18+_Ind]	[% NH18+_Hwn]	[% NH18+_Oth]	[% NH18+_2+ Races]
001	191,402	118	0.06%	145,428	75.98%	61.99%	22.8%	7.55%	2.81%	0.28%	0.27%	0.4%	3.9%
002	190,408	-876	-0.46%	150,843	79.22%	40.21%	44.81%	7.48%	3.77%	0.22%	0.15%	0.42%	2.95%
003	191,212	-72	-0.04%	148,915	77.88%	68.88%	19.81%	6.17%	1.27%	0.27%	0.08%	0.34%	3.19%
004	191,098	-186	-0.10%	146,443	76.63%	66.78%	21.98%	5.52%	1.9%	0.24%	0.07%	0.33%	3.17%
005	191,921	637	0.33%	139,394	72.63%	15.69%	27.21%	41.67%	12.41%	0.14%	0.04%	0.55%	2.28%
006	191,401	117	0.06%	155,781	81.39%	57.79%	21.79%	8.24%	7.14%	0.16%	0.03%	1.05%	3.8%
007	189,709	-1,575	-0.82%	147,425	77.71%	37.84%	19.33%	16.56%	22.58%	0.16%	0.05%	0.55%	2.93%
008	192,396	1,112	0.58%	145,144	75.44%	60.1%	29.02%	6.21%	1.27%	0.29%	0.08%	0.27%	2.75%
009	192,915	1,631	0.85%	142,054	73.64%	35.81%	27.23%	18.77%	14.59%	0.18%	0.04%	0.59%	2.8%
010	192,898	1,614	0.84%	147,884	76.66%	19.64%	68.31%	5.18%	3.15%	0.18%	0.04%	0.61%	2.89%
011	189,976	-1,308	-0.68%	144,597	76.11%	58.97%	30.08%	7.6%	0.72%	0.26%	0.02%	0.22%	2.13%
012	190,819	-465	-0.24%	149,154	78.17%	36.71%	56.63%	3.48%	0.92%	0.18%	0.02%	0.18%	1.88%
013	189,326	-1,958	-1.02%	144,141	76.13%	64.1%	26.01%	6.01%	1.21%	0.17%	0.02%	0.21%	2.26%
014	192,533	1,249	0.65%	155,340	80.68%	57.1%	16.83%	12.13%	9.43%	0.12%	0.05%	0.74%	3.61%
015	189,446	-1,838	-0.96%	144,506	76.28%	36.52%	51.56%	6.59%	1.45%	0.23%	0.25%	0.36%	3.04%
016	191,829	545	0.28%	147,133	76.7%	66.91%	21.49%	5.03%	2.92%	0.18%	0.03%	0.42%	3.01%
017	192,510	1,226	0.64%	144,472	75.05%	59.42%	30.21%	5.13%	1.41%	0.17%	0.03%	0.49%	3.14%
018	191,825	541	0.28%	150,196	78.3%	60.69%	29.2%	4.51%	2.46%	0.22%	0.03%	0.29%	2.6%
019	192,316	1,032	0.54%	146,131	75.98%	63.99%	24.52%	8.38%	0.62%	0.18%	0.06%	0.2%	2.06%
020	192,588	1,304	0.68%	147,033	76.35%	61.71%	30.17%	3.49%	1.76%	0.16%	0.05%	0.25%	2.41%
021	192,572	1,288	0.67%	145,120	75.36%	73.87%	6.37%	8.77%	6.98%	0.18%	0.04%	0.48%	3.32%
022	193,163	1,879	0.98%	150,450	77.89%	34.38%	53.94%	5.35%	2.3%	0.24%	0.18%	0.38%	3.24%
023	190,344	-940	-0.49%	144,113	75.71%	56.89%	33.91%	4.52%	1.24%	0.25%	0.09%	0.27%	2.84%
024	192,674	1,390	0.73%	148,602	77.13%	69.81%	18.69%	4.4%	3.27%	0.2%	0.07%	0.35%	3.2%
025	191,161	-123	-0.06%	148,917	77.9%	59.94%	32.23%	3.66%	1.09%	0.18%	0.04%	0.39%	2.48%
026	189,945	-1,339	-0.70%	145,744	76.73%	36.6%	55.18%	4.24%	0.92%	0.22%	0.03%	0.24%	2.56%
027	190,676	-608	-0.32%	139,196	73%	71.5%	4.16%	10.2%	10.27%	0.15%	0.04%	0.45%	3.22%
028	190,422	-862	-0.45%	144,973	76.13%	69.44%	18.18%	6.44%	1.99%	0.23%	0.04%	0.38%	3.29%

Population Summary

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH18+_Wht]	[% NH18+_Blk]	[% H18+_Pop]	[% NH18+_Asn]	[% NH18+_Ind]	[% NH18+_Hwn]	[% NH18+_Oth]	[% NH18+_2+ Races]
029	189,424	-1,860	-0.97%	145,674	76.9%	63.22%	25.52%	4.45%	3%	0.23%	0.11%	0.33%	3.13%
030	191,475	191	0.10%	145,077	75.77%	69.41%	19.44%	6.1%	0.97%	0.24%	0.03%	0.41%	3.4%
031	192,560	1,276	0.67%	142,251	73.87%	68.26%	19.13%	7.42%	1.12%	0.22%	0.06%	0.46%	3.33%
032	192,448	1,164	0.61%	149,879	77.88%	65.78%	13.13%	10.55%	5.42%	0.2%	0.04%	0.83%	4.05%
033	192,694	1,410	0.74%	146,415	75.98%	30.25%	40.26%	22.93%	2.35%	0.22%	0.05%	0.81%	3.14%
034	190,668	-616	-0.32%	141,840	74.39%	13.36%	66.5%	12.75%	4.26%	0.22%	0.04%	0.56%	2.31%
035	192,839	1,555	0.81%	144,675	75.02%	18.82%	68.87%	7.51%	1.26%	0.18%	0.06%	0.59%	2.7%
036	192,282	998	0.52%	161,385	83.93%	36.18%	48.68%	7.06%	4.01%	0.17%	0.04%	0.51%	3.34%
037	192,671	1,387	0.73%	147,779	76.7%	65.37%	17.41%	8.69%	3.94%	0.17%	0.04%	0.67%	3.73%
038	193,155	1,871	0.98%	148,367	76.81%	21.87%	62.45%	8.44%	3.55%	0.18%	0.04%	0.56%	2.92%
039	191,500	216	0.11%	156,022	81.47%	27.87%	57.97%	5.65%	4.83%	0.15%	0.04%	0.5%	2.98%
040	190,544	-740	-0.39%	147,000	77.15%	46.34%	17.32%	21.62%	11.15%	0.11%	0.04%	0.59%	2.84%
041	191,023	-261	-0.14%	145,278	76.05%	21.39%	59.67%	6.68%	8.42%	0.22%	0.02%	0.6%	3.01%
042	190,940	-344	-0.18%	153,952	80.63%	51.39%	28.73%	8.64%	7.16%	0.12%	0.03%	0.53%	3.4%
043	192,729	1,445	0.76%	145,741	75.62%	26.53%	61.35%	6.89%	1.34%	0.17%	0.08%	0.6%	3.05%
044	190,036	-1,248	-0.65%	145,224	76.42%	15.29%	68.39%	8.6%	4.37%	0.17%	0.04%	0.56%	2.58%
045	190,692	-592	-0.31%	140,706	73.79%	55.47%	16.86%	13.05%	10.89%	0.13%	0.03%	0.5%	3.07%
046	190,312	-972	-0.51%	146,713	77.09%	69.9%	15.64%	6.99%	3.85%	0.22%	0.02%	0.5%	2.89%
047	190,607	-677	-0.35%	146,599	76.91%	67.46%	16.34%	9.57%	2.79%	0.17%	0.04%	0.5%	3.13%
048	190,123	-1,161	-0.61%	136,995	72.06%	52.25%	8.26%	7%	29.05%	0.11%	0.04%	0.47%	2.83%
049	189,355	-1,929	-1.01%	144,123	76.11%	65.64%	7.12%	21.9%	2.22%	0.16%	0.04%	0.29%	2.63%
050	189,320	-1,964	-1.03%	148,799	78.6%	81.54%	5.03%	8.78%	1.24%	0.24%	0.03%	0.24%	2.91%
051	190,167	-1,117	-0.58%	155,571	81.81%	90.24%	0.84%	4.34%	0.61%	0.33%	0.02%	0.27%	3.34%
052	190,799	-485	-0.25%	146,620	76.85%	74.74%	12.08%	8.24%	1.13%	0.22%	0.02%	0.29%	3.27%
053	190,236	-1,048	-0.55%	148,201	77.9%	87.31%	4.49%	3.23%	0.99%	0.26%	0.06%	0.22%	3.44%
054	192,443	1,159	0.61%	143,843	74.75%	69.98%	3.07%	22.64%	1.15%	0.22%	0.02%	0.21%	2.71%
055	190,155	-1,129	-0.59%	141,968	74.66%	20.56%	62.42%	8.71%	4.24%	0.18%	0.04%	0.67%	3.18%
056	191,226	-58	-0.03%	144,448	75.54%	76.17%	6.37%	7.66%	5.51%	0.12%	0.03%	0.63%	3.51%

Total: **10,711,908**

Ideal District: **191,284**

EXHIBIT M

Population Summary Report

Georgia State Senate --2021 Plan

District	2020 Pop.	% 2020 Deviation	18+ Pop	18+ AP Black	% 18+ AP Black	18+_NH White	% 18+ NH White	2015-19 BCVAP*	2015-19 LCVAP*	2015-19 ACVAP*	2015-19 B+L+A CVAP*	2015-19 NH White CVAP*	Incumbents
001	191402	0.06%	145428	36468	25.08%	90150	61.99%	24.12%	6.38%	2.49%	32.99%	65.83%	1
002	190408	-0.46%	150843	70688	46.86%	60650	40.21%	53.13%	4.28%	1.47%	58.88%	40.30%	1
003	191212	-0.04%	148915	31545	21.18%	102574	68.88%	22.87%	3.13%	1.35%	27.35%	71.91%	1
004	191098	-0.10%	146443	34217	23.37%	97792	66.78%	23.64%	2.86%	1.06%	27.56%	71.51%	1
005	191921	0.33%	139394	41736	29.94%	21872	15.69%	38.70%	19.93%	13.74%	72.36%	26.30%	1
006	191401	0.06%	155781	37231	23.90%	90024	57.79%	23.06%	4.63%	4.76%	32.45%	66.92%	1
007	189709	-0.82%	147425	31601	21.44%	55780	37.84%	23.42%	8.40%	16.90%	48.73%	50.46%	1
008	192396	0.58%	145144	44098	30.38%	87232	60.10%	30.18%	4.19%	1.10%	35.46%	63.55%	1
009	192915	0.85%	142054	41948	29.53%	50868	35.81%	30.19%	9.36%	11.34%	50.89%	48.30%	1
010	192898	0.84%	147884	105671	71.46%	29039	19.64%	68.86%	3.80%	2.73%	75.38%	23.77%	1
011	189976	-0.68%	144597	44887	31.04%	85275	58.97%	32.41%	3.43%	0.47%	36.32%	62.84%	1
012	190819	-0.24%	149154	86465	57.97%	54752	36.71%	59.25%	1.33%	0.70%	61.28%	38.13%	1
013	189326	-1.02%	144141	38871	26.97%	92398	64.10%	27.49%	3.21%	0.97%	31.67%	67.81%	1
014	192533	0.65%	155340	29470	18.97%	88706	57.10%	19.75%	5.98%	6.16%	31.90%	67.30%	1
015	189446	-0.96%	144506	78040	54.00%	52771	36.52%	53.56%	5.59%	1.33%	60.48%	38.55%	1
016	191829	0.28%	147133	33393	22.70%	98454	66.91%	22.24%	3.32%	2.02%	27.58%	71.46%	1
017	192510	0.64%	144472	46245	32.01%	85846	59.42%	27.89%	2.70%	1.18%	31.77%	67.34%	1
018	191825	0.28%	150196	45662	30.40%	91155	60.69%	30.44%	2.50%	1.81%	34.75%	64.62%	1
019	192316	0.54%	146131	37589	25.72%	93506	63.99%	27.82%	4.25%	0.40%	32.47%	66.86%	1
020	192588	0.68%	147033	45991	31.28%	90729	61.71%	31.59%	2.67%	1.09%	35.35%	63.98%	3
021	192572	0.67%	145120	10823	7.46%	107202	73.87%	7.89%	4.72%	3.50%	16.11%	82.97%	1
022	193163	0.98%	150450	85009	56.50%	51728	34.38%	57.93%	4.02%	1.80%	63.76%	35.32%	1
023	190344	-0.49%	144113	51133	35.48%	81988	56.89%	35.06%	3.11%	0.84%	39.01%	60.09%	0
024	192674	0.73%	148602	29503	19.85%	103744	69.81%	21.16%	2.86%	2.56%	26.58%	72.87%	1
025	191161	-0.06%	148917	49860	33.48%	89256	59.94%	32.45%	2.48%	0.95%	35.87%	63.76%	1
026	189945	-0.70%	145744	83056	56.99%	53346	36.60%	56.93%	2.22%	0.82%	59.97%	39.34%	1
027	190676	-0.32%	139196	6961	5.00%	99531	71.50%	4.08%	5.44%	4.87%	14.40%	84.89%	1
028	190422	-0.45%	144973	28282	19.51%	100664	69.44%	18.97%	4.25%	1.35%	24.56%	74.52%	1
029	189424	-0.97%	145674	39150	26.88%	92102	63.22%	27.45%	3.45%	2.13%	33.04%	66.07%	1
030	191475	0.10%	145077	30346	20.92%	100699	69.41%	21.14%	3.12%	0.82%	25.08%	74.15%	1
031	192560	0.67%	142251	29440	20.70%	97094	68.26%	17.68%	4.68%	0.83%	23.19%	75.98%	1
032	192448	0.61%	149879	22274	14.86%	98589	65.78%	13.75%	5.72%	3.72%	23.19%	75.67%	1
033	192694	0.74%	146415	62897	42.96%	44286	30.25%	47.97%	10.51%	2.48%	60.96%	38.28%	0
034	190668	-0.32%	141840	98640	69.54%	18951	13.36%	73.27%	5.16%	3.38%	81.82%	17.07%	1
035	192839	0.81%	144675	104019	71.90%	27234	18.82%	68.27%	4.22%	0.97%	73.46%	25.64%	1
036	192282	0.52%	161385	82859	51.34%	58394	36.18%	53.64%	3.72%	3.02%	60.38%	38.93%	1
037	192671	0.73%	147779	28484	19.27%	96596	65.37%	18.82%	5.46%	3.60%	27.88%	71.43%	1
038	193155	0.98%	148367	96886	65.30%	32445	21.87%	69.99%	4.03%	2.27%	76.28%	23.30%	1
039	191500	0.11%	156022	94702	60.70%	43478	27.87%	63.27%	3.14%	3.27%	69.68%	29.75%	1
040	190544	-0.39%	147000	28277	19.24%	68121	46.34%	22.07%	7.43%	7.88%	37.38%	62.08%	1
041	191023	-0.14%	145278	90961	62.61%	31068	21.39%	66.37%	2.74%	4.22%	73.32%	25.66%	1
042	190940	-0.18%	153952	47383	30.78%	79111	51.39%	35.04%	3.19%	4.94%	43.17%	55.88%	1
043	192729	0.76%	145741	93754	64.33%	38669	26.53%	61.38%	4.11%	1.52%	67.01%	32.37%	1
044	190036	-0.65%	145224	103599	71.34%	22202	15.29%	73.79%	4.90%	3.82%	82.50%	16.56%	1
045	190692	-0.31%	140706	26149	18.58%	78049	55.47%	17.77%	7.97%	7.32%	33.06%	66.11%	0
046	190312	-0.51%	146713	24793	16.90%	102559	69.90%	16.67%	3.96%	3.23%	23.86%	75.50%	1
047	190607	-0.35%	146599	25543	17.42%	98893	67.46%	19.34%	4.51%	1.58%	25.42%	73.97%	1
048	190123	-0.61%	136995	12968	9.47%	71575	52.25%	8.60%	5.77%	16.94%	31.31%	67.93%	1
049	189355	-1.01%	144123	11475	7.96%	94600	65.64%	8.66%	10.81%	1.97%	21.44%	77.80%	1
050	189320	-1.03%	148799	8341	5.61%	121337	81.54%	6.02%	4.73%	1.05%	11.80%	87.16%	1
051	190167	-0.58%	155571	1876	1.21%	140394	90.24%	1.34%	2.21%	0.52%	4.06%	93.72%	1
052	190799	-0.25%	146620	19120	13.04%	109583	74.74%	13.27%	3.93%	0.83%	18.03%	81.15%	1
053	190236	-0.55%	148201	7558	5.10%	129390	87.31%	4.83%	1.74%	0.81%	7.38%	91.71%	1
054	192443	0.61%	143843	5450	3.79%	100668	69.98%	4.07%	11.67%	0.81%	16.55%	82.47%	1
055	190155	-0.59%	141968	93659	65.97%	29183	20.56%	67.72%	4.33%	2.22%	74.27%	24.77%	1
056	191226	-0.03%	144448	10940	7.57%	110031	76.17%	6.99%	4.98%	3.81%	15.79%	83.61%	2
Total 2020 Pop.	**10,711,908**	**2.01%**	**8,220,274**	**2,607,986**	**31.73%**	**4,342,333**	**52.82%**						
Majority Districts					**14**			**15**			**18**	**38**	

CVAP Source:
* 2015-19 ACS Special Tabulation
Note: Citizen Voting Age Population (CVAP) percentages are disaggreagated from block-gorup level ACS estimates (with a survey midpoint of July 2017)

Source for disaggregation: Redistricting Data Hub
https://redistrictingdatahub.org/dataset/georgia-cvap-data-disaggregated-to-the-2020-block-level-2019/