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

ANNIE LOIS GRANT, et al, Civil Action File
Plaintiffs No.
vs. 1:22-CV-00122-SCJ
BRAD RAFFENSPERGER, in his
Official capacity as the Georgia
Secretary of State, et al.,
Defendants.

_____

COAKLEY PENDERGRASS, et al., Civil Action File
Plaintiffs, No.
Vs. 1:21-CV-05339-SCJ
BRAD RAFFENSPERGER, et al.,
Defendants.

Virtual Videotape Deposition of
Derrick Jackson
Monday, February 20, 2023
At 2:30 p.m.

Reported by LeShaunda Cass-Byrd, CSR, RPR

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EXAMINATION OF DERRICK JACKSON

By Mr. Tyson 5

DEPOSITION EXHIBITS

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THE VIDEOGRAPHER: This is the video deposition of Derrick Jackson, taken in the matter of Annie Lois Grant, et al. versus Brad Raffensperger, et al. Today's date is February 20th, 2023. The time on the record is 2:34 p.m.

My name is Page Brantley, and I'm the videographer. The attorneys participating in this proceeding acknowledge that I am not physically present in the proceeding room and that I will be videotaping this proceeding remotely.

Counsel, please introduce yourselves and state any objections to the witness being sworn remotely. If there are no objections, the court reporter will swear in the witness.

MS. RUTAHINDURWA: Good afternoon. Makeba Rutahindurwa on behalf of the plaintiffs.

MR. TYSON: And good afternoon. I'm Bryan Tyson on behalf of the defendants.

THE REPORTER: Okay. All right. Mr. Sparks, do you want to introduce yourself?

MR. SPARKS: I'm happy to. Adam

Sparks here on behalf of the plaintiffs.
Good afternoon.

DERRICK JACKSON,
having been first duly sworn, was examined and testified as follows:

EXAMINATION

BY MR. TYSON:

Q. All right. Good afternoon, Representative Jackson. My name is Bryan Tyson. I represent the Secretary of State in the State Election Board in the -- the various redistricting cases that are pending right now. Our goal today in taking your deposition is just to get some information about your knowledge about both the case and the redistricting maps that are being challenged.

My goal today is not to ask you a bunch of trick questions or try to confuse you. My goal is just to try to learn a few of the things that you know. So if we get to the end of a question I'm asking and you have no idea what I'm talking about, just let me know that, and I'll rephrase the question. If you answer a question, I will assume that you understand what I'm asking you.

Does that work for you?

A. Yes.

Q. And we are virtual, and that can be challenging in a lot of ways, especially in conversation where we tend to talk over each other. So for our court reporter and for the transcript that's being taken down, it's best if I finish my question, then you begin your answer, and as little talking over each other as we can do along the way.

We're limited to 90 minutes today, so we're not going to be that long for your deposition. But if you need a break at any point, just let me know that. My only request is that we -- you don't take a break while I have a question pending. After you answer the question, we can take a break.

So will that work for you?

A. Yes.

Q. So let me just begin with a few background questions for you.

A. Yes.

Q. Can you just give me your full name for the record, please?

THE REPORTER: I think he froze. Can we go off the record?

MS. RUTAHINDURWA: Yes, let's go off the record.

MR. TYSON: I agree.

THE VIDEOGRAPHER: The time is 2:37 p.m. We are off the record.

(Off the record.)

THE VIDEOGRAPHER: Time is 2:39 p.m. We are back on the record.

BY MR. TYSON:

Q. All right. Representative Jackson, sorry for our technical difficulties. Let's try again.

Can you give me your full name for the record, please?

A. Yes. My full name is Derrick. Lamar is my middle name, Lamar. Jackson is my last.

Q. And is it all right if I call you Representative Jackson? Do you prefer Mr. Jackson -- do you have a preference?

A. Derrick is fine.

Q. Okay. Thank you.

Can you just give me the city and the county where you currently reside?

A. I reside in Tyrone, Georgia, which is inside of Fayette County.

Q. And, Mr. Jackson, I have to ask this question of everybody, but are you on any medication, or do you have any medical condition that would keep you from fully and truthfully participating today?

A. No.
Q. Can you just tell me when you first ran for the State House of Representatives in Georgia?
A. 2016.
Q. And were you successful in your election?
A. Yes.
Q. And do you recall what district you ran for in 2016?
A. The 64th District -- 64th House District.
Q. And did you serve in the legislature up through the 2022 regular legislative session?
A. Yes.
Q. And you did not run for elections in the legislature in the 2022 election, right?
A. That's correct.
Q. And you ran for a -- a statewide office in 2022; is that right?
A. Yes.
Q. And you're a member of Alpha Phi Alpha Fraternity, right?
A. Yes.
Q. And you're a member of the -- the Georgia State Conference of the NAACP as well?
A. Yes.
Q. Are you aware that Alpha Phi Alpha and the

Georgia NAACP are suing Georgia over its redistricting plans?

A. Yes.

Q. Now, we're here today because you've been identified as a witness in this case. Do you recall when you first learned about this lawsuit? And I want to caution you, I'm not asking for anything a lawyer talked to you about, but do you recall when you first learned about this particular case?

A. I was reading the -- I read the attorney -- the attorney -- the AJC, the Atlanta Journal Constitution, every day, and I discovered the lawsuit in the newspaper.

Q. Okay. And are you represented by a lawyer today in the deposition?

A. Am I a representative?

Q. Are you represented? Do you have -- is -- is somebody representing you as your lawyer in the deposition today?

A. No, I'm a witness.

Q. Okay. So you learned about the lawsuit in the Atlanta Journal-Constitution. When did you next -- well, let me ask this.

When did you learn you'd be giving a deposition in this case?

A. I can't remember -- I can't recall the specific date.

THE WITNESS: Makeba, do you recall the specific date?

MS. RUTAHINDURWA: I'm going to just instruct you to answer as you know. So if you don't know the date, "I don't recall" is perfectly fine.

THE WITNESS: I can't recall the date.

BY MR. TYSON:

Q. And -- and that's fine. This is not a memory test. If you don't remember, it's fine that you don't remember some things. So that's -- that's totally fine.

Do you recall anybody talking with you about being a witness in this lawsuit against the redistricting plans?

A. Yes.

Q. Okay. Do you recall approximately, when that conversation took place about being a witness, or is that also one you don't remember for certain?

A. I can't remember a specific date.

Q. Okay. Have you spoken with anybody else -- well, do you recall who all you've spoken to about

being a witness in the redistricting case?
A. I've only spoken to Makeba and Jonathan and their team.
Q. Okay.
So outside of the folks at -- at the Elias Law Group, you don't recall speaking to anybody else about being a witness in this case?
A. No, I haven't.
Q. Again, I'm not asking you for your -- for your legal conclusion on this, but in your own words, do you have an understanding of what the -- these cases about the redistricting plans are about?
A. Yes.
Q. And what is that understanding?
A. That the maps that were drawn by the majority party really places the citizens in a very precarious situation, because those maps really marginalize their community.
Q. And when you reference "their community," are you referring to all citizens or particular citizens of Georgia?
A. Well, all citizens in the State of Georgia were -- I believe were negatively impact by these maps.
Q. Now, I -- I think we covered this, but you

were a member of the Georgia House of Representatives during the 2021 special session for redistricting, right?

A. That is correct.

Q. Was that the first time you were a member of the legislature during a special session for redistricting?

A. That is also correct.

Q. Okay. And, again, I'm not asking you what was said, but did the Democratic caucus in the House have its own lawyers during the special session?

A. That is correct.

Q. And do you recall who those lawyers were?

A. I can't recall the name of the law firm.

Q. And do you know if the democratic caucus in the House during the special session had its own map drawers as well?

A. Yes.

Q. And did the democratic caucus in the House have its own map drawers?

A. Yes.

Q. Now, you were not on the redistricting committee during the special session, correct?

A. That is correct. I was not on the committee.

Q. Okay. But you, I'm assuming, voted on all the plans that were passed in the special session, right?

A. That's correct.

Q. Okay. So what I would like to do, Representative Jackson, is mark Exhibit Number 1 here. And I'll share the screen so you can see it.

(Defendants' Exhibit 1 was marked for identification.)

BY MR. TYSON:

Q. There we go.

Can you see this district map here that's titled, "Georgia House of Representatives District 64"?

A. Yes.

Q. And in looking at this map -- and I'll spread out a little bit so you can see the rest of it.

Do you recall, is this the District from which you were elected when you ran for State House in 2017 -- or 2016?

A. Yes.

Q. And so could you just generally, kind of describe for me District 64 as you were elected from it in the 2016 election?

A. Yes. In 2016, when I was elected for House

1 District 64, the demographics were predominantly
2 African American, about 69, 70 percent African
3 American. Probably about 35 -- about 30 percent are
4 white, non-Hispanic, and then the -- the balance
5 consisted of Hispanic and -- and Asian.
6 And then the other aspect of House District
7 64 consisted of seven municipalities, and those seven
8 municipalities were over two counties. Tyrone,
9 Georgia. Peachtree City, Fayetteville -- City of
10 Fayetteville, Fairburn, Union City, College Park, and
11 the City of South Fulton. And where you see that --
12 that dark line in the middle there -- no, not the
13 highway. Go further south.
14 Q. Okay.
15 A. Right. There -- right there. That is
16 the -- the line of demarcation between Fulton County,
17 the northern boundary, and then Fayette County, the
18 southern boundary. And the reason why that is
19 significant, because Fayette County median household
20 income was roughly 70,000 at that time, compared to
21 that South Fulton quadrant there, about 40,000.
22 And so -- and I can break down even more if
23 you want, but that's the -- the gist of -- of the
24 demographic for House District 64 in 2016.
25 Q. Thank you. And I believe you said earlier

you live in Tyrone in northern Fayette County; is that right?

A. That's correct. And so if you go take your cursor near the -- the -- go up just a little bit more. A little bit more, and I am in that -- no, no, off to your right -- to your right. There you go. Up there. In that area.

Q. Okay. So an area just south of the Fulton boarder, kind of around where the -- I guess, the corporate limits of Tyrone are located; is that right?

A. Correct. So I live in the Tyron proper city limits. So that shaded area represents the City of Tyrone, and then the unshaded area is the unincorporated area of Fayette County.

Q. Okay. Do you recall if more population was generally on the Fayette side of the boarder or the Fulton side of the boarder in District 64?

A. You're talking about -- for District 64 in 2016, or are you talking about today?

Q. Yes, sir. So I'm still asking about the 2016 district when you first ran before it was redrawn. Were there more people in Fulton County or Fayette County in that district?

A. I will say Fulton County because of the density. And the Fairburn, Union City, College Park

area, compared to my district in the Fayette County, which is not as high density because of the -- the land of -- of each lot, pretty much, is far larger than Fayette -- I mean, in Fayette County than it is in Fulton County.

Q. And you referenced, kind of, getting down towards Peachtree City in Tyrone at the south end of the district here. Does Fayette County get more rural farther south of this boarder of the south end of District 64 as it existed in 2016?

A. That's exactly right. And so the further south you get in Fayette County, the more rural. And so, like, if you head towards Brooks and Woolsey, the other two of the five municipalities, the lots where homes are ten -- the ten -- the fifteen acres per lot. And so it becomes more rural. You see more livestock, and -- and the neighbors are -- there's a great distance between each neighbor.

Q. And to be clear, that's not the area you represented, but that's south of where you represented towards the southern part of Fayette, correct?

A. That is correct.

Q. Now, you referenced that when you were elected, the district was predominantly African American, somewhere in the 69 to 70 percent range.

Did the demographic make up of the district have anything to do with your decision to run for 64?

A. No. Absolutely nothing to do with the make up of the district. I can only run in a district in which I reside.

Q. Certainly.

Do you have a -- a thought about what a sufficient level of African American percentage is in a district to elect a candidate of choice of the African American community in that district?

MS. RUTAHINDURWA: Object to form. Calls for a legal conclusion.

BY MR. TYSON:

Q. And you can answer if you're able, Representative Jackson.

A. Can you repeat the question?

Q. Sure. So my question is just do you have an opinion about what level or what percentage of African American, a district needs to be to reliably elect a candidate of choice of the African-American community?

MS. RUTAHINDURWA: Same objection.

THE WITNESS: I don't -- I don't understand the -- the nature of your question as it relates to this. Because,

when I ran, you can only run in your district. So it has absolutely nothing to do about race. Your district, if you think you have the platform to get elected as I did, that -- that could be the case. But, however, I think it's more about -- community of interest is more important for each of these districts.

BY MR. TYSON:

Q. And thank you. That's helpful.

So is it fair to say then that the district you chose to run in, you believed that the people would support the platform you had, and you were right about that because they elected you as their representative, right?

A. That's correct.

Q. And you mentioned the word "community of interest." Can you talk me through just kind of what community or communities of interest were in District 64 when you ran for it in 2016?

A. So you look at --

Q. I can scroll back here if that would help.

A. Yes, if you scroll up just a bit, right there is fine.

So when you think about community of

interest, although this map is not the perfect map because I'm sure it was far better, even back in 2000, the very first form of District 64, but this particular map in question, the community of interest, when you look at these seven municipalities, these citizens all either will worship together, they have the same religion, their children will go to schools that -- that will be, likely, more conducive to -- to their children.

When you think about the shopping and entertainment, all of these -- out of these seven communities here, seven municipalities, these citizens -- I like to refer to it as social connections. They all have a social connection that will allow for them to work, live, play in -- in a very harmonious way, because the -- the social connection is -- is a -- a strong piece, and for which they reside, which they work, which they shop, where they dine, entertainment, their children, extra curricular activities.

And so there's a sense of harmony when you look at this particular map where there's a common theme, and that common theme are the social connections that really is more of a tie for their community of interest.

Q. And those different social ties or social connections you were talking about, they -- they fit kind of within the boundaries of District 64 as it was on the prior plan.

Is that fair to say?

A. Absolutely.

Q. Okay. Well, let me move next to the special session.

So in the summer before the special session, did you receive a communication from Representative Rich asking to meet with you about your district?

A. Yes.

Q. And did you meet with her to talk about your district before the special session?

A. No. I did not.

Q. Is there -- is there a particular -- oh.

Did you meet with her at all during the special session to talk about your district?

A. No.

Q. Is there a particular reason why you chose not to meet with Representative Rich?

A. It was my understanding that there was no appetite for the majority party to even consider the maps of the minority party, and so I did not want to

1 waste Chairman Rich time or my time on an issue that
2 was futile. And so in -- in having conversations with
3 our minority leader, Leader Beverly, it was very clear
4 that the majority party was not willing to entertain
5 any inputs from the minority party.
6 Q. And so is the basis for that understanding
7 your conversations with Leader Beverly, or were there
8 other pieces that formed your understanding about the
9 relative desire to get input?
10 A. No. My -- it was solely on my conversation
11 with Leader Beverly, and with the general sense of the
12 majority party's position as it relates to drawing
13 congressional House and state senate district maps.
14 Q. Do you know if any democratic members of
15 the House met with Representative Rich to talk about
16 their districts?
17 A. I don't know.
18 Q. So is it fair to say that, if that was your
19 belief, you never made any requests for any changes on
20 your district when the first draft map was released
21 from the majority party?
22 A. I did not make any requests to Chairman
23 Rich, no.
24 Q. Did you make any requests for changes to
25 anyone else besides Representative Rich?

A. I only made my suggestion known to Leader Beverly.

Q. So it's fair to say then that you, kind of -- I guess for lack of a better term, kind of deputized Leader Beverly to handle any interaction with the majority party about your district; is that right?

A. That was a process and a protocol that was established, yes.

Q. And that was a process and protocol established in House democratic caucus?

A. Correct.

Q. As you -- during the summer, did you attend any of the public hearings about redistricting that were held around the state in 2021?

A. So, yes. But those were forms that we, the Georgia Legislative Black Caucus, commissioned. Not Chairman Rich.

Q. So there was Chairman Rich and Chairman Kennedy's public hearings that were being held, and you didn't attend those but you did attend some separate public hearings held by the Legislative Black Caucus?

A. That is correct.

Q. Do you recall if the Legislative Black

Caucus ever provided the information from it's public hearings to Chairman Rich or Chairman Kennedy?

A. I have no knowledge of it.

Q. Okay. Did you review any of the public comment to the online portal that was offered about redistricting from the legislature in 2021?

A. The portal that was by Chairman Rich?

Q. Yes.

A. No.

Q. Okay.

(Defendants' Exhibit 2 was marked for identification.)

BY MR. TYSON:

Q. So let me mark Exhibit 2. I call my technology work here. Sorry.

All right. So I marked as Exhibit 2 document titled, "Georgia House Districts 2022," and the plan name over here is House Prop-1, 2021?

Do you see that?

A. Yes.

Q. And do you recall, is this the adopted state House districts after the special session?

A. Yes.

Q. So I'm going to scroll to the metro zoom, which is page 2 and ask you about -- it looks like

1 District 68, here, covers a similar territory with
2 Tyrone, part of Peachtree City, Fayetteville,
3 Fairburn-Union City between Fulton and Fayette
4 counties; is that correct?
5 A. Almost.
6 Q. Okay. Can you just describe for me --
7 well, I guess I should ask this: Are you familiar
8 with District 68 as it was drawn in the 2021 House
9 plan?
10 A. Yes.
11 Q. And was this the district you resided in
12 when the map was drawn?
13 A. Yes.
14 Q. Would you agree that this map generally
15 maintains the core of prior District 64 in District
16 68?
17 A. Define "core."
18 Q. So are most of the people who are in House
19 District 64 also located in House District 68 on the
20 2021 plan?
21 A. So I would disagree that majority of the
22 district was kept intact. The reason why I disagree
23 is because when you look at the former District 64
24 that had a population of African Americans, like I
25 said, about 69, 70 percent, now it has been reduced to

about 52, 53 percent because what was done, they removed -- if you expand 68 and overlay 64, you will see that they went further into Peachtree City.

Peachtree City is a predominantly white municipality, and so they went further south into Peachtree City. They removed College Park, which is that northern quadrant, which is a predominantly black city. And so when you look at going from a 69 percent African American -- for example, down to 52, 53 percent, that 17 percent delta, that difference there is significant.

So when you think about the core -- and as you stated yourself earlier, the more south you go into Peachtree City, the more rural. And so this is where 64 was more urban, if you will. Now, you bring in more suburban and those common -- those social connections, if you will, those community of interests is going to be very different where everything south -- where you have 68, when you start going further south into Peachtree City. It's greatly different.

So the core, depending on how you define core, I'm using a metric -- a number, just to give you a little bit more explanation on why I disagree that the core of it was kept intact, because you diluted

the former District 64 with the maps drawn and -- and the whole goal was to not make this a -- a minority majority type district.

Q. So I want to ask about that last comment you just made, "The whole goal was to not make this minority majority type district." Where did you gain your understanding of the goal of the map drawers in the creation of District 68?

A. Some of the majority party members that surround the new District 68, you know, some of the rumors, side bar conversation, and so although I don't believe in rumors, but this clearly demonstrates the intent when you look at the way this map is drawn.

Q. And so the majority party members that made comments about there that led you to believe that the goal was to ensure that District 68 would not elect a black member moving forward; is that right?

A. That is the -- that is the sense that I capture, yes.

Q. And so you referenced the drop in the African American percentage between prior District 64 and District 68.

Did that 17 point drop play a role in you deciding not to run for the House and to run for another office?

A. No, no. The short answer is no, that it had no bearing on why I didn't -- didn't run for this new form district.

Q. And you referenced, too, that this configuration brought in more suburban voters in Peachtree City. Was extending this district south from the prior boundaries of District 64 into the new boundaries of 68, changing the communities of interests that were involved by adding more suburban voters?

A. Yes.

Q. You also reference the reduction in the African American percentage, and I guess I just want to understand. Is there a level at which you would say a reduction from 69 or 70 percent down to a different number would not demonstrate the same kind of goal that you referenced that the map drawers had in creating District 68?

MS. RUTAHINDURWA: Object to form. To the extent it calls for a legal conclusion.

BY MR. TYSON:

Q. And you can answer if you can.

A. So repeat your question.

Q. So you reference the lowering of

1 district -- prior Districts 64 from 69 percent African
2 American down to 52 percent or so on the new District
3 68, and my question was just, is there a level at
4 which you would be able to say that a reduction from
5 69 percent African American to some other number was
6 not showing an intent to prevent a black individual
7 from being elected from that district?
8 MS. RUTAHINDURWA: The same
9 objection.
10 THE WITNESS: So I -- I, again,
11 because one could try to draw a conclusion
12 that this is all about race. I only
13 highlighted the African American
14 population, the voter population reduction.
15 I could very well could have said that
16 there was an increase in the white,
17 non-Hispanic voter population.
18 The -- the reason why I strongly
19 oppose districts, the new form of District
20 68 is because, again, the social
21 connection. If you look at that most
22 southern portion as you get further to
23 Peachtree City, you will not find any of
24 those citizens travel north to -- to dine,
25 shop, worship with anyone in Fairburn,

Union City, College Park.

And so when you don't have that social connection, that community of interest that ties the entire election within a district, then I think you're diluting the strength of that district. You're -- you're marginalizing the strength of the voters to be able to vote for someone of their choosing. And so when you look at a map like this, it was very clear.

And especially listening to some of the rumors of the majority party, some of the majority party was saying it's easier for us to get our voters than the other way around. And so that's the reason why I reject that kind of, I call malpractice.

As a retired naval officer, I think every citizen, regardless of race, regardless of gender, should be able to vote for whoever they need to represent them. So it's not incumbent upon elected officials to select their voters, it should be the other way around. It should be the voters selecting their elected officials.

So coming from a democratic,

1 patriotic place in my heart, when you think
2 about the way this map was drawn, I think
3 it is very malicious. And especially just
4 hearing the rumors of the majority party of
5 their intent, I just think that is wrong.
6 BY MR. TYSON:
7 Q. And I -- I know you referenced this, but
8 obviously, you were a -- a democratic member of the
9 legislature, right?
10 A. That's correct.
11 Q. And the democratic party had the minority
12 of seats in the legislature, and the Republicans had
13 the majority during the 2021 special session, right?
14 A. That is correct.
15 Q. And ultimately, you voted against the map
16 that's presented in Exhibit 2; is that right?
17 A. That is correct.
18 Q. Okay. Would you have supported a map --
19 well, let me ask this, did the partisan impact of the
20 map that was adopted by the general assembly have
21 anything to do with why you did not vote for the map
22 that's represented at Exhibit 2?
23 A. Did the -- say that last piece about the
24 partisanship?
25 Q. Yes. Did the partisan breakdown of the map

that was drawn by the majority party in 2021 form any part of the reason why you voted against the 2021 House plan from the majority?

A. It was the significant reason why I voted against the map that you have in your Exhibit 2. Because, again, I think the voters need to elect us, not us selecting our voters. And so from a constitutional -- from a democratic democracy that I think that the maps -- I would have voted yes if the maps were drawn 50/50. Keeping the community of interest intact, those social connections intact, and then allow for a fair election to be done, then they would have had a different response.

Q. So Representative Jackson, the House democratic caucus introduced a redistricting plan during the 2021 special session as well, right?

A. Yes.

Q. So I'm going to mark as Exhibit 3 --

(Defendants' Exhibit 3 was marked for identification.)

BY MR. TYSON:

Q. -- a document titled, "Drafts Georgia House Districts." And then the plan name here indicates, "GHDC House Plan 2021."

Do you see that?

A. Yes.
Q. And do you know, is this the democratic caucus plan that Leader Beverly presented to the committee?
A. Could you expand it to my area of interest?
Q. Certainly. We're going to go there next, so yes. If that'll identify it, I'll be happy to. Let's go take a look. So I'm moving to page 2.
Does that jog your memory as to this being the House Democratic plan?
A. Uh-huh (affirmative.) Come in just a little bit more. It seems like when you transition, it's a little fuzzy on my end.
Q. Is that any better? Here, I'll zoom in a little bit more. Is that better?
A. All right. It's -- it's coming through. It's refreshing.
Q. Okay.
A. Yes.
Q. So do you recognize this as the House Democratic plan that Leader Beverly presented?
A. Yes.
Q. Do you know if you would have lived in House District 64 or House District 72 on this plan?
A. I would -- I would be in District 64.

Q. Okay. And it looks to me like District 64 includes a lot more of Fulton County on this version of the plan than the prior District 64 did; is that fair to say?

A. That's correct.

Q. And this District 64, it looks like mostly, keeps Peachtree City in a district that is primarily within Fayette County; is that fair to say as well?

A. Well, this District 64 excludes Peachtree City, so this --

Q. Oh, I'm sorry.

A. -- this goes to the very point, so it expands Peachtree City for District 72, and so -- so Peachtree City would have been excluded out of this map, out of District 64. See, because when you think about the seven municipalities, of the seven municipalities, Peachtree City is the only one that's predominantly white, non-Hispanic.

Q. And so is it fair to say that Peachtree City, because of that make up, doesn't really fit as well with the district that's in South Fulton, for example?

A. That's correct.

Q. And so this is the plan that you supported for the state legislature. Do I have that right? I

1 think I asked that already. I'm sorry.
2 A. Correct.
3 Q. Okay. And this plan keeps District 65, for
4 example, wholly within Fulton County, it doesn't cross
5 into Coweta, right?
6 A. That's correct.
7 Q. And except for the small piece of District
8 64 that goes into Northern Fayette, the only other
9 district that crosses between Fayette and Fulton
10 counties is District 63, right?
11 A. That's correct.
12 Q. And this plan also only crosses from
13 Clayton County into Fayette County in District 119
14 there in south Clayton over into Fayetteville; is that
15 right?
16 A. A very small piece. That's correct.
17 Q. Great. Do you know what the partisan
18 impact of the House Democratic plan would had been if
19 it had been adopted?
20 A. It would have still -- would have gave the
21 majority party, I -- I want to say if my memory serves
22 me correctly, about four or five seats in the
23 positive, but each -- but those four or five seats
24 would have had more of a 55/45 split versus a 70/30 or
25 a 60/40 split.

Q. So it would be a more competitive map overall. Is that fair to say?
A. Absolutely.
Q. Have you reviewed any of the maps created by the expert witnesses in these cases?
A. You mean from Representative Rich and Leader Beverly or --
Q. No, sir. I was referring to this -- this litigation, not the special session. Are you aware there were expert maps that were drawn as part of this case?
A. Yes.
Q. Okay. And have you reviewed those expert plans at all?
A. Yes.
(Defendant's Exhibit 4 was marked for identification.)
BY MR. TYSON:
Q. Okay. I'm going to mark as Exhibit 4 -- this is a document entitled, "Expert Report of Blakeman B. Esselstyn."
Have you seen that before?
A. I've seen maps.
Q. Okay. Let me turn to a page and see if this will help. I'm going to turn to page 27.

A. Yes. I have seen it, yes.
Q. Okay. And so this is a map, Figure 15, titled "Map of Southern Metro Atlanta Area of Illustrative Planned" with majority black House districts indicated.
Do you see that?
A. Yes.
Q. So you spoke earlier about the -- the very rural nature of southern Fayette County. Does this map on Figure 15, connect very rural parts of southern Fayette with portions of Clayton County?
A. I don't -- I can't see the county boundary lines. I see a -- I only see the district lines.
Q. Okay. Let me see if I can zoom in here and see if this will help.
Does that help? There's kind of a lighter boarder that is the county boundary --
A. Okay. Yes.
Q. -- that runs right along here.
A. It's that light shaded -- okay. I can -- I can barely see it, but yes.
Q. So you'd agree that this District 74 connects parts of rural Fayette County with parts of Clayton County, right?
A. Yes. That's correct. 74.

Q. And do -- do these areas of the state in Clayton County and the southern part of Fayette share any of those social connections that you talked about earlier from your district?

A. It would be very hard for the citizens on the Clayton County side to have a very common community of interest with those further south of this map of 74.

Q. And is that because those areas are just very different in terms of the population and the -- the -- I guess the nature of who lives there?

A. It -- it's different because, again, churches in Clayton County are very different than the churches you may find in the southern edge of Fayette County. Schools make up are -- are very different. Shopping is very different. The more south you get in Fayette County, they're more rural, versus the more urban as you get further north of this District 74 going towards Clayton County.

And so the -- the whole aspect of community interest would be different, and -- but again, the density is different, too. You know, just for the sake of clarity, you're not going to find that many citizens on the southern portion of Fayette County. You got, you know, very large lots, farming and things

of that nature; whereas, as you move towards Clayton County, has a higher density. And so, you know, apartment buildings and condos and the lots are very, very, you know -- smaller in comparison to -- to those in the southern portion going towards -- of -- beyond Peachtree City and towards Coweta.

Q. And the District 68 that is shown on -- on this particular map, I know we don't have city boundaries on here, but can you tell just from looking, does it go into any part of Peachtree City?

A. I -- I can't tell from this map. But this -- this almost looks like the former District 64, which had very little into Peachtree City. But it looks like it got Tyrone, City of Fayetteville, and then it really kept everything intact with the former District 64 in terms of Fairburn, College Park, City of South Fulton. I don't see any cities on here. But -- but just -- this looks more familiar -- or compared to the former District 64 than the current District 68.

Q. And if this District 68 had portions of Peachtree City in it, you would have the same concerns that you did on the enacted District 68, right?

A. Depending on how far south it goes into Peachtree City. Because again, the District 64 that I

1 served that -- it stopped at the northern edge of
2 Peachtree City. So I had a very little bit of
3 community in Peachtree City, enough for me to be their
4 representative. But the significant portion of
5 Peachtree City was a Republican that -- that
6 represented that area, Josh Bonner, and his area had
7 nearly 90 percent of Peachtree City. But I can't
8 tell, according, you know, to the map that you're
9 showing in this exhibit.
10 Q. Okay. And are you also familiar with the
11 western part of Spalding County here in this -- shown
12 in District 78?
13 A. Yes.
14 Q. Okay. And is that area also like southern
15 Fayette, where it's very rural in character?
16 A. It is. But the interesting thing -- and I
17 noticed, because I ran for lieutenant governor for 13
18 months, so I had to know all 159 counties. But the
19 interesting thing about this area of this 78, that a
20 lot of African Americans, for example, Griffin area,
21 were born and raised farming, and so things were
22 passed down over the decades and their legacy.
23 And so there is some growth in this
24 corridor, where looking at your -- this exhibit, where
25 78, as well as 116, and I will even go as far as 117,

where you have churches, schools that were built, entertainment, shopping hubs that all have a -- a community of interest that -- that will be a gravity pull for minorities to want to live there. And -- and this really started after the 1996 Olympics where a lot of citizens that could not afford to remain in the Atlanta metropolitan area, for some reason or another, they end up moving to Clayton County, Henry, and Spalding area.

Q. Okay. Let me ask you about one other area in this report. Now, to turn to page 14. And I'll try to zoom in on this to make it easier to see.

This is the -- I'm sorry, the state senate map. And I know you're not in the state senate. But this is the same general area. Can you see District 28, which is in the light shading there?

A. Yes.

Q. And you see there's a portion of Clayton County on the side, northern Fayette, south Fulton, and then it looks like going down into Newnan in Coweta County. Do you see that?

A. Yes.

Q. Are there the same connections and social connecters you referenced that cover the various parts of Senate District 28, as it's drawn on this map?

A. Yes. The reason being, because in the last -- I've been here going on 18, 19 years in December, so the last 20 years, that area where that Coweta is written is a place called Newnan, and Newnan ended up building this shopping hub, if you will, that -- that allows for a lot of minorities to come near and find their -- their dining, very similar in dining, shopping experience, entertainment, movies.

And -- and this all really was spurred by the closing of a mall in Union City. When Union City lost its mall and built this -- this movie industry-type studios where Marvel and Netflix and Hulu, Union City decided to go in a different direction in economic development. And so Newnan, the mayor and city council, used that opportunity to lure some of them stores from Union City, which is a very predominant black municipality down to Newnan.

And it's about a good 15-minute drive. And so -- so because, again, these community of interests that Newnan started to basically become another hub for minorities to work, live, shop, dine, worship, schools, and so whoever drew this map did a -- a masterful job, because not all of Coweta is -- is browning, but this area right there where it says Coweta, that's where Newnan is, and it's pulling some

of these citizens from the South Fulton corridor and the northern Fayette County corridor down there where there -- they may have very strong similar social connections.

So this -- this map for this senate, because they need more citizens, because they -- the state senate have a larger district, that they did a masterful job in pulling the community of interest from northern Fayette County, southern portion of Fulton, into Coweta area.

Q. Thank you. I want to look next, just briefly at the congressional plan that's been introduced for this.

You're aware that Coweta -- I'm sorry, that Fayette County was split on the prior congressional plan; is that right?

A. Yes. You're talking about the 3rd congressional and the 13th?

Q. Yes. That's what I'm referring to.

A. Okay. Yep.

Q. Okay. So I introduced as Exhibit 5 -- I want to share with you here.

(Defendants' Exhibit 5 was marked for identification.)

BY MR. TYSON:

Q. Oh, wait. I'm sorry. Actually, let's -- let's take a quick look at this from legislature before we leave. I'm sorry, I didn't mean to get right to this one. Actually, let me set this aside for just a second. Let's come back to that. Here we go.

(Defendant's Exhibit 6 was marked for identification.)

BY MR. TYSON:

Q. We'll mark this as District 6 (sic). This is the (Audio Distortion). And this is entitled "Declaration of William Cooper."

Do you see that in the Pendergrass case?

A. Yes.

Q. So what I want to do is turn to page 23 Figure 12, and it's an illustrative plan for Metro Atlanta. Do you see that? Are you able to see that congressional redistricting plan?

A. Yes.

Q. Okay. And this plan includes, almost all of Fayette, except for two little pieces in a district that runs east through Henry, over to Jasper County.

Do you see that?

A. Are you talking about the 6th Congressional District as it relates to this map or --

Q. I'm talking about the -- the pink district number 13, starts in Fayette --
A. Oh, yes.
Q. -- and runs over to Jasper.
A. Yes. Yeah. Plus Jasper, Henry. Yes.
Q. Yes. And so you spoke earlier about the connections between northern Fayette and south Fulton County. You'd agree that almost all of Fulton, with the exception of these pieces here, is not included -- I'm sorry.
Almost all of Fayette, with the exception of these small pieces is not included in a district that also has Fulton County in it, right?
A. Correct.
Q. And this District 13 connects the rural parts of Fayette, with the more urban parts of Clayton, and on out to Jasper County. Is that also right?
A. That's correct.
Q. And I know you mentioned you're lieutenant governor campaign. I'm assuming you would agree with me that Jasper County and Butts County are pretty rural counties in the State of Georgia?
A. That's correct.
Q. Now, I understand that you are married to

representative -- or to Representative CaMia Jackson from Albany, Georgia; is that right?

A. That is correct.

Q. And are you also -- do you have some familiarity with the Albany area in the state of Georgia?

A. I do.

Q. So I want to go back to Exhibit 5 and just ask you about a plan.

A. Although she's a better -- better person, because she was born and raised there, so you might want to --

Q. Certainly. I won't tell her -- I won't hold you to anything for her on that.

A. That's right. Don't get me in trouble, here.

Q. I won't do that. Turn to page 78 of this report, which is marked as Exhibit 5. And this is entitled, "2021 Plan District 151," and a series of district numbers.

Representative CaMia Jackson represented District 153 in the legislature; is that right?

A. That is correct.

Q. And that was a district wholly within Dougherty County, right?

A. Yes. A significant portion of District 153 was in Dougherty, yes.

Q. Okay. So what I want to look at -- just one other map here. This is page 80 Figure 33. Now, in this plan, it's hard to tell but District 153 starts here in Dougherty County and runs all the way up to Stewart County. District 154 is in Dougherty and runs west to some other counties, and 171 runs from Albany to Thomasville in Thomas County.

Do you see that?

A. Yes.

Q. Do you know, or is there a connection between Albany and Thomasville that you're aware of?

A. She will say no. I will say no.

Q. Okay -- okay. And is that based on your familiarity during your -- your time in your lieutenant governor campaign, and your time in the legislature?

A. And in the time with her as well. And the reason I would say no is because when you look at that area, let's take Albany as an example, the community of interest is very, very different than some of those citizens in Thomasville. And so when you split -- based on what I can see on the screen here, but when you split the -- Dougherty in that manner, Lee County,

which is, you don't have it on your screen, but -- there you go.

So it's very, very different when you look at how this particular map is drawn, because the citizens in Albany, for the most part, have a very strong social connection, but you wouldn't think that the way this map is drawn, because those who are in, let's say, for example, an Early, Miller, Baker, how that 154 is pulled into Albany versus Stewart, Webster, Terrell pulled into Albany. And so by -- by dividing Albany up by three different districts is a disservice to those citizens.

Q. So Representative Jackson, I want to move to some more general topics here.

Are you familiar with the term in Georgia called the Black Belt?

A. The Black Belt?

Q. Yes, sir.

A. Yes.

Q. And how would you generally describe what the Black Belt is?

A. From an industrial sense, corporations, small businesses, if you will, where there is a significant number of small businesses also tied to citizens where they live, and so -- but that Black

Belt is not as tight as it was maybe 30, 40, 50 years ago. Now, that belt is more broadened.

Let's say, for example, around the Atlanta Metropolitan area, there are 15 counties, and that -- they probably will be in the top 15 counties of 159 counties of the most diverse counties. So I know about the Black Belt from a historical sense, but we don't use that term today because that belt doesn't look like the makeup it did, like I said, 30, 40 years ago. Just like the Bible Belt, the Bible Belt doesn't look like the Bible Belt of the past.

Q. And I know you've been in politics for a little while. In your experience, do African American voters in Georgia generally support Democratic candidates?

A. For the most part, yes.

Q. And you're aware that five of Georgia's 13 members of Congress are black Democrats, right?

A. Yes.

Q. Now, I know that you mentioned you ran for lieutenant governor and, ultimately, that was the primary election where the runoff was between Charlie Bailey and Kwanza Hall; is that right?

A. Yes.

Q. And did you support Mr. Bailey as the

Democratic nominee in the general election?
A. No.
Q. Did you support Stacey Abrams for governor in the 2022 election?
A. Yes.
Q. And did you support Senator Warnock, I'm assuming over Herschel Walker in 2022?
A. I supported Senator Warnock.
Q. Have you heard the term "racial appeal" in the context of a campaign before?
A. No.
Q. Okay. And during the time you were in the state House, did you become aware of any needs that the black community had in Georgia that were different from those of white residents in Georgia?
A. Yes.
Q. And what were some of those needs?
A. Healthcare. The numbers prove what they are. A significant number of black citizens in the state of Georgia have little to no healthcare, versus someone that is white and non-Hispanic. If you want to talk about economics, a significant number of African Americans, their wages were far less than their White, non-Hispanic counterparts that could have the same degree, working at the same corporation.

And so there was a lack of equity and fairness around wages, healthcare, when you think about housing and affordability. And so we had to deal with a host of issues that African Americans would like to have the same as any other citizen in Georgia, or from a large part in the United States.

Q. Did you find your colleagues in the state House to be receptive to your explanation of those types of issues that were unique to African American citizens in Georgia?

MS. RUTAHINDURWA: Object to form. Vague.

BY MR. TYSON:

Q. And you can answer, if you can.

A. Repeat that question.

Q. Yes.

So when you were in the legislature, did you talk about these issues of healthcare and wages and housing and affordability, those types of issues that you just outlined, with your colleagues?

A. Yes.

Q. And did you find your colleagues receptive to what you had to say about what African Americans in Georgia needed on those issues?

MS. RUTAHINDURWA: Same objection.

THE WITNESS: They were only receptive through lip service. And you can tell by way of their votes. When it was time to vote, they went along party line. Let's take women's healthcare, for example. We strongly opposed the need to talk about or justify or controlling a woman's body, and they went along with passing House Bill 41 against strong objection. We -- we urged Republicans to talk about maternal and infant mortality. We've got a huge problem here in Georgia still. You can see that we are still talking about these same topics. So it's just a lip service, at best.

And I think that really added to when -- to -- you know, when you think about trying to negotiate with these lines, we felt that -- that the same -- results were going to be the same as they have been in the past, which is go along with partisan lines, and that's what happened.

BY MR. TYSON:

Q. And just so the record is clear, when you reference House Bill 481, that's referring to the

Heartbeat bill about abortion excess in Georgia, right?

A. That is correct.

MR. TYSON: Can we go off the record for just a minute?

THE VIDEOGRAPHER: The time is 3:46 p.m. and we are off the record.

(Recess taken.)

THE VIDEOGRAPHER: The time is 3:53 p.m. and we are back on the record.

MR. TYSON: Well, thanks everybody.

Representative Jackson, I don't have any further questions. I did want to just thank you. I know you served in the military for a long time and served in the state legislature, and I just appreciate your service to our country and our state. I don't have any further questions for you today. Thank you.

MS. RUTAHINDURWA: I don't have any questions as well.

THE WITNESS: All right. Thank you. Have a great 2023.

THE VIDEOGRAPHER: This concludes the video deposition of Derrick Jackson and we

are off the record at 3:53 p.m.

(Deposition adjourned at 3:53 p.m.)

COURT REPORTER: Would both counsel get the transcript.

MR. TYSON: Yes, please.

MS. RUTAHINDURWA: Yes.

REPORTER'S CERTIFICATE

I, LESHAUNDA CASS-BYRD, CSR No. B-2291, RPR, Registered Professional Reporter, certify that the foregoing proceedings were taken before me at the time and place therein set forth, at which time the witness was put under oath by me;

That the testimony of the witness, the questions propounded, and all objections and statements made at the time of the examination were recorded stenographically by me and were thereafter transcribed;

That the foregoing is a true and correct transcript of my shorthand notes to taken.

I further certify that I am not a relative or employee of any attorney or the parties, nor financially interested in the action.

I declare under penalty of perjury under the laws of North Carolina that the foregoing is true and correct.

Dated this March 6th, 2023.

LESHAUNDA CASS-BYRD, CCR-B-2291, RPR

MAKEBA RUTAHINDURWA, Esq.
mrutahindurwa@elias.law

March 6th, 2023

RE: Grant, Annie Lois, et al. v Raffensperger, Brad, et al.
2-20-2023 Derrick Jackson, Job# 5770162

The above-referenced transcript is available for review.

(The witness/You) should read the testimony to verify its accuracy. If there are any changes, (the witness/you) should note those with the reason on the attached Errata Sheet.

(The witness/You) should, please, date and sign the Errata Sheet and email to the deposing attorney as well as to Veritext at Transcripts-fl@veritext.com and copies will be emailed to all ordering parties.

It is suggested that the completed errata be returned 30 days from receipt of testimony, as considered reasonable under Federal rules*, however, there is no Florida statute to this regard.

If the witness fails to do so, the transcript may be used as if signed.

Yours,
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*Federal Civil Procedure Rule 30(e)/Florida Civil Procedure Rule 1.310(e).

1 Grant, Annie Lois, et al. v Raffensperger, Brad, et al.
2-20-2023 Derrick Jackson, Job# 5770162
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Georgia Code

Title 9, Chapter 11

Article 5, Section 9-11-30

(e) Review by witness; changes; signing.

If requested by the deponent or a party before completion of the deposition, the deponent shall have 30 days after being notified by the officer that the transcript or recording is available in which to review the transcript or recording and, if there are changes in form or substance, to sign a statement reciting such changes and the reasons given by the deponent for making them. The officer shall indicate in the certificate prescribed by paragraph (1) of subsection (f) of this Code section whether any review was requested and, if so, shall append any changes made by the deponent during the period allowed. If the deposition is not reviewed and signed by the witness within 30 days of its submission to him or her, the officer shall sign it and state on the record that the deposition was not reviewed and signed by the deponent within 30 days. The deposition may then be used as fully as though signed unless, on a motion to suppress under paragraph (4) of subsection (d) of Code

Section 9-11-32, the court holds that the reasons given for the refusal to sign require rejection of the deposition in whole or in part.

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client: State
type: House
plan: House12re

Georgia House of Representatives District 064

Legislative & Congressional Reapportionment Office

Georgia House Districts- 2022

Client: State
Plan: House-prop1-2021
Type: House

Exhibit
0002

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

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Map layers
District Layer
County
0 20 40
Miles

Georgia House Districts- 2022

Client: State
Plan: House-prop1-2021
Type: House

Georgia House Districts- 2022

Client: State
Plan: House-prop1-2021
Type: House

Georgia House Districts- 2022

Client: State
Plan: House-prop1-2021
Type: House

User: **State**
Plan Name: **House-prop1-2021**
Plan Type: **House**

Population Summary

Summary Statistics:

Population Range:	58,678 to 60,308
Ratio Range:	0.03
Absolute Range:	-833 to 797
Absolute Overall Range:	1,630
Relative Range:	-1.40% to 1.34%
Relative Overall Range:	2.74%
Absolute Mean Deviation:	363.71
Relative Mean Deviation:	0.61%
Standard Deviation:	417.67

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	59,666	155	0.26%	46,801	78.44%	87.88%	3.9%	2.59%	0.53%	0.31%	0.04%	0.3%	4.45%
002	59,773	262	0.44%	46,159	77.22%	83.24%	2.56%	9.09%	1.1%	0.18%	0.02%	0.26%	3.55%
003	60,199	688	1.16%	46,716	77.6%	86.9%	2.82%	3.6%	1.63%	0.27%	0.14%	0.18%	4.46%
004	59,070	-441	-0.74%	42,798	72.45%	42.01%	4.17%	50.07%	1.23%	0.17%	0.02%	0.28%	2.05%
005	58,837	-674	-1.13%	44,623	75.84%	75.46%	3.76%	15.29%	1.24%	0.2%	0.02%	0.22%	3.81%
006	59,712	201	0.34%	45,152	75.62%	80.15%	1.01%	14.51%	0.51%	0.2%	0.01%	0.2%	3.4%
007	59,081	-430	-0.72%	48,771	82.55%	87.97%	0.37%	7.43%	0.45%	0.26%	0.01%	0.24%	3.27%
008	59,244	-267	-0.45%	49,612	83.74%	90.8%	1.13%	3.21%	0.54%	0.3%	0.01%	0.34%	3.67%
009	59,474	-37	-0.06%	48,273	81.17%	87.78%	1.01%	5.49%	0.79%	0.37%	0.06%	0.36%	4.15%
010	59,519	8	0.01%	47,164	79.24%	78.61%	2.97%	13.11%	1.51%	0.17%	0.06%	0.24%	3.33%
011	58,792	-719	-1.21%	45,396	77.21%	87.43%	1.55%	5.33%	1.15%	0.22%	0.02%	0.3%	4%
012	59,300	-211	-0.35%	46,487	78.39%	78.45%	8.61%	7.68%	1.01%	0.16%	0.01%	0.42%	3.68%
013	59,150	-361	-0.61%	45,176	76.38%	62.24%	18.71%	13.52%	1.29%	0.22%	0.03%	0.33%	3.65%
014	59,135	-376	-0.63%	45,511	76.96%	81.38%	5.86%	7.04%	0.77%	0.21%	0.03%	0.34%	4.36%
015	59,213	-298	-0.50%	45,791	77.33%	68.38%	13.61%	11.74%	1.3%	0.25%	0.04%	0.49%	4.19%
016	59,402	-109	-0.18%	44,009	74.09%	72.9%	11.15%	10.95%	0.76%	0.22%	0.05%	0.43%	3.54%
017	59,120	-391	-0.66%	42,761	72.33%	63.28%	22.06%	7.9%	1.33%	0.23%	0.07%	0.64%	4.49%
018	59,335	-176	-0.30%	45,159	76.11%	84.78%	7.11%	2.93%	0.59%	0.23%	0.04%	0.35%	3.97%
019	58,955	-556	-0.93%	44,299	75.14%	62.06%	23.47%	7.87%	1.14%	0.25%	0.08%	0.64%	4.49%
020	60,107	596	1.00%	45,725	76.07%	73.93%	8.13%	10.6%	1.97%	0.16%	0.04%	0.63%	4.54%
021	59,529	18	0.03%	44,931	75.48%	80.04%	4.29%	8.54%	1.84%	0.19%	0.04%	0.66%	4.4%
022	59,460	-51	-0.09%	45,815	77.05%	62.53%	13.94%	13.26%	3.86%	0.2%	0.03%	0.81%	5.37%
023	59,048	-463	-0.78%	44,254	74.95%	71.47%	5.64%	17.19%	1.06%	0.22%	0.04%	0.36%	4.01%
024	59,011	-500	-0.84%	41,814	70.86%	60.13%	6%	11.36%	17.65%	0.21%	0.04%	0.62%	3.98%
025	59,414	-97	-0.16%	42,520	71.57%	51.99%	5%	5.42%	33.55%	0.15%	0.03%	0.51%	3.36%
026	59,248	-263	-0.44%	44,081	74.4%	63.48%	3.29%	12.07%	16.8%	0.18%	0.04%	0.5%	3.64%
027	58,795	-716	-1.20%	46,004	78.24%	79.69%	3.22%	11.82%	0.82%	0.19%	0.04%	0.3%	3.91%
028	58,972	-539	-0.91%	44,444	75.36%	76.5%	3.39%	13.59%	2.06%	0.16%	0.03%	0.4%	3.86%
029	59,200	-311	-0.52%	43,131	72.86%	36.05%	12.13%	46.28%	2.72%	0.12%	0.06%	0.41%	2.23%

Population Summary

House-prop1-2021

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	59,266	-245	-0.41%	45,414	76.63%	67.03%	7.37%	18.78%	3.04%	0.15%	0.03%	0.34%	3.26%
031	59,901	390	0.66%	43,120	71.99%	65.57%	6.64%	21.63%	2.27%	0.19%	0.02%	0.37%	3.31%
032	59,145	-366	-0.62%	45,942	77.68%	80.8%	7.24%	6.03%	1.26%	0.29%	0.05%	0.25%	4.09%
033	59,187	-324	-0.54%	46,498	78.56%	79.94%	10.97%	4.08%	1.2%	0.15%	0.01%	0.36%	3.29%
034	59,875	364	0.61%	45,758	76.42%	66.59%	14.46%	9.06%	4.41%	0.11%	0.04%	0.68%	4.65%
035	59,889	378	0.64%	48,312	80.67%	50.12%	26.55%	12.7%	4.43%	0.21%	0.04%	0.9%	5.04%
036	59,994	483	0.81%	44,911	74.86%	68.01%	16.01%	7.46%	3.07%	0.14%	0.03%	0.73%	4.55%
037	59,176	-335	-0.56%	46,223	78.11%	42.2%	26%	21.96%	4.5%	0.21%	0.03%	1%	4.11%
038	59,317	-194	-0.33%	44,839	75.59%	25.93%	52.72%	14.72%	1.77%	0.22%	0.07%	0.7%	3.88%
039	59,381	-130	-0.22%	44,436	74.83%	20.6%	52.08%	21.79%	1.5%	0.14%	0.03%	0.65%	3.2%
040	59,044	-467	-0.78%	47,976	81.25%	48.94%	30.78%	6.43%	8.54%	0.17%	0.02%	0.7%	4.43%
041	60,122	611	1.03%	45,271	75.3%	23.42%	36.44%	33.22%	2.81%	0.18%	0.05%	0.86%	3.02%
042	59,620	109	0.18%	48,525	81.39%	35.47%	31.18%	20.49%	7.11%	0.19%	0.03%	1.15%	4.37%
043	59,464	-47	-0.08%	47,033	79.09%	43.32%	24.35%	15.85%	7.83%	0.21%	0.09%	2.4%	5.96%
044	60,002	491	0.83%	46,773	77.95%	64.71%	10.98%	11.99%	5.71%	0.18%	0.02%	1.17%	5.24%
045	59,738	227	0.38%	44,023	73.69%	72.29%	4.14%	5.5%	12.94%	0.07%	0.02%	0.67%	4.38%
046	59,108	-403	-0.68%	44,132	74.66%	72.43%	6.76%	8.24%	6.93%	0.12%	0.04%	0.82%	4.66%
047	59,126	-385	-0.65%	43,932	74.3%	61.71%	9.44%	7.83%	15.91%	0.2%	0.03%	0.7%	4.17%
048	59,003	-508	-0.85%	44,779	75.89%	59.05%	10.16%	14.1%	11.77%	0.08%	0.05%	0.64%	4.16%
049	59,153	-358	-0.60%	45,263	76.52%	68.94%	7.2%	7.56%	11.41%	0.1%	0.02%	0.68%	4.09%
050	59,523	12	0.02%	43,940	73.82%	41.55%	11.04%	7.06%	35.46%	0.09%	0.04%	0.66%	4.1%
051	58,952	-559	-0.94%	47,262	80.17%	51.02%	21.93%	15.47%	5.83%	0.17%	0.04%	1.03%	4.51%
052	59,811	300	0.50%	48,525	81.13%	53.81%	13.71%	7.98%	19.72%	0.14%	0.06%	0.72%	3.86%
053	59,953	442	0.74%	46,944	78.3%	70.3%	12.31%	8.2%	4.46%	0.1%	0.02%	0.63%	3.98%
054	60,083	572	0.96%	50,338	83.78%	61.03%	12.98%	15.17%	6.51%	0.14%	0.03%	0.57%	3.56%
055	59,971	460	0.77%	49,255	82.13%	33.78%	54.54%	5.14%	2.85%	0.18%	0.03%	0.4%	3.09%
056	58,929	-582	-0.98%	52,757	89.53%	34.03%	46.33%	5.81%	9.32%	0.18%	0.07%	0.45%	3.8%
057	59,969	458	0.77%	52,097	86.87%	62.89%	15.57%	8.83%	7.58%	0.11%	0.02%	0.65%	4.36%
058	59,057	-454	-0.76%	50,514	85.53%	24.98%	63.09%	5.03%	2.76%	0.14%	0.03%	0.51%	3.45%
059	59,434	-77	-0.13%	49,179	82.75%	19.37%	69.55%	4.45%	2.52%	0.16%	0.02%	0.56%	3.36%
060	59,709	198	0.33%	45,490	76.19%	26.72%	61.76%	5.87%	2.04%	0.17%	0.05%	0.44%	2.96%
061	59,302	-209	-0.35%	45,447	76.64%	14.79%	71.51%	9.1%	0.87%	0.15%	0.06%	0.54%	2.98%
062	59,450	-61	-0.10%	46,426	78.09%	17.17%	70.09%	7.61%	1.13%	0.21%	0.04%	0.53%	3.22%
063	59,381	-130	-0.22%	45,043	75.85%	16.74%	68%	10.42%	1.32%	0.21%	0.03%	0.51%	2.78%
064	58,986	-525	-0.88%	44,189	74.91%	54.76%	29.35%	8.84%	1.37%	0.27%	0.03%	0.78%	4.6%
065	59,464	-47	-0.08%	44,386	74.64%	29.55%	60.08%	5.23%	1.08%	0.18%	0.06%	0.57%	3.27%
066	59,047	-464	-0.78%	44,278	74.99%	29.98%	52.03%	11.05%	1.72%	0.24%	0.07%	0.79%	4.11%
067	59,135	-376	-0.63%	44,299	74.91%	29.09%	57.14%	8.71%	1.29%	0.18%	0.03%	0.5%	3.06%
068	59,477	-34	-0.06%	44,835	75.38%	31.15%	54.67%	7.3%	2.79%	0.16%	0.04%	0.7%	3.19%
069	58,682	-829	-1.39%	45,548	77.62%	24.1%	61.87%	6.47%	3.04%	0.17%	0.04%	0.89%	3.41%
070	59,121	-390	-0.66%	45,249	76.54%	56.51%	27.61%	9.08%	2.17%	0.2%	0.05%	0.47%	3.9%
071	59,538	27	0.05%	44,582	74.88%	67.15%	18.89%	7.44%	0.96%	0.25%	0.02%	0.51%	4.78%
072	59,660	149	0.25%	46,229	77.49%	67.26%	19.34%	8.16%	0.96%	0.2%	0.02%	0.3%	3.75%
073	60,036	525	0.88%	45,736	76.18%	69.92%	11.27%	7.96%	5.88%	0.15%	0.03%	0.52%	4.26%

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]
074	58,956	-555	-0.93%	44,696	75.81%	61.32%	25.24%	6.67%	2.05%	0.2%	0.02%	0.52%	3.98%
075	59,743	232	0.39%	43,850	73.4%	9.24%	71.27%	12.97%	2.66%	0.19%	0.06%	0.71%	2.9%
076	59,759	248	0.42%	44,371	74.25%	8.61%	64.24%	15.61%	8.11%	0.19%	0.04%	0.57%	2.63%
077	59,242	-269	-0.45%	44,207	74.62%	6.22%	72.49%	14.22%	4.03%	0.22%	0.06%	0.5%	2.27%
078	59,044	-467	-0.78%	44,572	75.49%	12.69%	69.39%	9.94%	4.03%	0.19%	0.03%	0.65%	3.08%
079	59,500	-11	-0.02%	43,223	72.64%	5.69%	68.19%	18.11%	4.87%	0.21%	0.01%	0.57%	2.34%
080	59,461	-50	-0.08%	44,784	75.32%	45.02%	11.65%	26.17%	13.02%	0.08%	0.04%	0.63%	3.39%
081	59,007	-504	-0.85%	46,259	78.4%	44.28%	18.64%	24.58%	8.14%	0.14%	0.02%	0.55%	3.65%
082	59,724	213	0.36%	50,238	84.12%	61.86%	14.34%	7.52%	11.03%	0.11%	0.03%	0.65%	4.46%
083	59,416	-95	-0.16%	46,581	78.4%	44.13%	12.06%	33.75%	6.29%	0.1%	0.02%	0.61%	3.03%
084	59,862	351	0.59%	47,350	79.1%	21.11%	69.74%	3.4%	1.4%	0.16%	0.03%	0.59%	3.58%
085	59,373	-138	-0.23%	46,308	78%	17.08%	60.18%	5.99%	12.29%	0.25%	0.02%	0.68%	3.5%
086	59,205	-306	-0.51%	44,614	75.36%	10.6%	71.76%	4.64%	9.02%	0.15%	0.02%	0.67%	3.14%
087	59,709	198	0.33%	45,615	76.4%	11.48%	70.08%	7.73%	6.46%	0.21%	0.02%	0.7%	3.33%
088	59,689	178	0.30%	46,073	77.19%	15.98%	60.71%	11.46%	7.49%	0.23%	0.06%	0.68%	3.39%
089	59,866	355	0.60%	46,198	77.17%	30.38%	59.77%	3.8%	1.78%	0.15%	0.03%	0.48%	3.6%
090	59,812	301	0.51%	48,015	80.28%	32.08%	57.15%	4.65%	1.58%	0.12%	0.03%	0.62%	3.76%
091	60,050	539	0.91%	46,173	76.89%	19.7%	67.92%	7%	1.39%	0.17%	0.04%	0.54%	3.25%
092	60,273	762	1.28%	46,551	77.23%	20.98%	67.63%	5.49%	1.58%	0.16%	0.04%	0.74%	3.39%
093	60,118	607	1.02%	44,734	74.41%	19.94%	63.27%	11.24%	1.34%	0.16%	0.1%	0.69%	3.26%
094	59,211	-300	-0.50%	44,809	75.68%	16.38%	65.88%	8.72%	4.85%	0.19%	0.02%	0.58%	3.37%
095	60,030	519	0.87%	44,948	74.88%	18.79%	64.99%	9.32%	2.29%	0.19%	0.05%	0.73%	3.63%
096	59,515	4	0.01%	44,671	75.06%	17.47%	20.71%	40.49%	17.64%	0.15%	0.06%	0.72%	2.76%
097	59,072	-439	-0.74%	46,339	78.44%	33.19%	25.12%	21.86%	15%	0.19%	0.05%	0.68%	3.92%
098	59,998	487	0.82%	42,734	71.23%	9.69%	19.56%	57.42%	10.69%	0.13%	0.05%	0.6%	1.86%
099	59,850	339	0.57%	45,004	75.19%	39.77%	13.49%	9.52%	32.49%	0.15%	0.04%	0.56%	3.98%
100	60,030	519	0.87%	42,669	71.08%	55.88%	9.01%	10.85%	19.49%	0.18%	0.05%	0.53%	4.01%
101	59,938	427	0.72%	46,584	77.72%	37.36%	22.37%	20.17%	15.23%	0.16%	0.05%	0.7%	3.96%
102	58,959	-552	-0.93%	42,968	72.88%	26.79%	36.41%	23.45%	8.97%	0.22%	0.03%	0.69%	3.44%
103	60,197	686	1.15%	44,399	73.76%	49.51%	15.16%	19.06%	11.68%	0.13%	0.04%	0.61%	3.81%
104	59,362	-149	-0.25%	43,306	72.95%	60.44%	15.61%	12.64%	6.32%	0.16%	0.04%	0.6%	4.2%
105	59,344	-167	-0.28%	43,474	73.26%	38.89%	27.8%	18.1%	10.56%	0.1%	0.03%	0.65%	3.88%
106	59,112	-399	-0.67%	43,890	74.25%	36.66%	35.66%	12.66%	9.78%	0.17%	0.03%	0.81%	4.23%
107	59,702	191	0.32%	44,509	74.55%	19.03%	27.46%	34.49%	15.45%	0.16%	0.03%	0.64%	2.73%
108	59,577	66	0.11%	44,308	74.37%	38.96%	17.34%	20.98%	18.06%	0.17%	0.03%	0.67%	3.78%
109	59,630	119	0.20%	44,140	74.02%	13.5%	29.44%	39.32%	14.39%	0.14%	0.05%	0.63%	2.54%
110	59,951	440	0.74%	43,226	72.1%	32.7%	45.9%	11.87%	4.49%	0.18%	0.04%	0.84%	3.97%
111	60,009	498	0.84%	44,096	73.48%	60.53%	21.74%	10.37%	2.5%	0.18%	0.04%	0.73%	3.91%
112	59,349	-162	-0.27%	45,120	76.02%	71.55%	18.88%	4%	1.27%	0.2%	0.04%	0.47%	3.59%
113	60,053	542	0.91%	44,538	74.16%	28.82%	57.75%	7.78%	0.79%	0.14%	0.12%	0.62%	3.98%
114	59,867	356	0.60%	45,872	76.62%	66.9%	23.89%	4.53%	0.7%	0.18%	0.03%	0.45%	3.33%
115	60,174	663	1.11%	44,807	74.46%	33.12%	51.3%	7.88%	2.67%	0.17%	0.04%	0.81%	4%
116	59,913	402	0.68%	45,791	76.43%	23.87%	56.71%	8.14%	6.39%	0.18%	0.08%	0.83%	3.81%
117	60,130	619	1.04%	44,973	74.79%	51.61%	35.88%	6.28%	1.53%	0.17%	0.04%	0.59%	3.9%

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]
118	59,987	476	0.80%	46,342	77.25%	68.26%	22.55%	4.5%	0.43%	0.18%	0.02%	0.47%	3.59%
119	58,947	-564	-0.95%	44,005	74.65%	66.88%	12.47%	12.17%	3.83%	0.16%	0.02%	0.58%	3.89%
120	58,982	-529	-0.89%	46,767	79.29%	69.85%	13.48%	8.42%	4.05%	0.15%	0.05%	0.5%	3.49%
121	59,127	-384	-0.65%	46,598	78.81%	75.06%	8.66%	6.27%	5.64%	0.11%	0%	0.53%	3.73%
122	59,632	121	0.20%	48,840	81.9%	49.13%	30.63%	13.78%	2.13%	0.28%	0.06%	0.86%	3.13%
123	59,282	-229	-0.38%	46,572	78.56%	65.88%	23.82%	5.33%	1.14%	0.17%	0.02%	0.26%	3.39%
124	59,221	-290	-0.49%	47,638	80.44%	61.53%	26.06%	7.57%	1.14%	0.19%	0.02%	0.37%	3.12%
125	60,137	626	1.05%	43,812	72.85%	60%	21.67%	8.93%	2.4%	0.29%	0.19%	0.52%	5.99%
126	59,260	-251	-0.42%	45,497	76.78%	37.81%	53.88%	3.63%	0.76%	0.27%	0.15%	0.37%	3.13%
127	58,678	-833	-1.40%	45,889	78.2%	65.92%	17.12%	5.58%	5.63%	0.18%	0.18%	0.51%	4.88%
128	58,864	-647	-1.09%	46,488	78.98%	44.14%	51%	1.91%	0.36%	0.19%	0.03%	0.17%	2.22%
129	58,829	-682	-1.15%	46,873	79.68%	33.83%	54.95%	4.74%	2.1%	0.21%	0.14%	0.43%	3.6%
130	59,203	-308	-0.52%	44,019	74.35%	30.19%	60.27%	4.33%	0.79%	0.24%	0.16%	0.42%	3.6%
131	58,890	-621	-1.04%	42,968	72.96%	65.57%	15.99%	7.07%	4.92%	0.19%	0.14%	0.61%	5.51%
132	59,142	-369	-0.62%	46,752	79.05%	33.1%	51.88%	7.91%	2.38%	0.26%	0.19%	0.37%	3.91%
133	59,202	-309	-0.52%	47,222	79.76%	56.35%	37.05%	2.42%	1.12%	0.15%	0.04%	0.38%	2.48%
134	59,396	-115	-0.19%	45,110	75.95%	56.72%	34.18%	4.39%	0.74%	0.22%	0.02%	0.35%	3.37%
135	60,063	552	0.93%	46,725	77.79%	70.69%	22.83%	2.21%	0.51%	0.16%	0.01%	0.33%	3.25%
136	59,298	-213	-0.36%	45,367	76.51%	62.16%	28%	4.4%	1.54%	0.24%	0.03%	0.42%	3.21%
137	59,551	40	0.07%	45,358	76.17%	38.1%	51.27%	5.17%	1.66%	0.12%	0.14%	0.37%	3.17%
138	58,912	-599	-1.01%	45,684	77.55%	70.29%	18.77%	4.1%	2.39%	0.25%	0.06%	0.36%	3.77%
139	59,010	-501	-0.84%	45,522	77.14%	63.55%	19.18%	7.24%	4.03%	0.25%	0.21%	0.59%	4.96%
140	59,294	-217	-0.36%	44,411	74.9%	28.76%	55.8%	9.04%	1.02%	0.27%	0.24%	0.53%	4.34%
141	59,019	-492	-0.83%	44,677	75.7%	29.41%	54.88%	7.93%	2.53%	0.24%	0.3%	0.45%	4.25%
142	59,608	97	0.16%	44,584	74.8%	30.78%	60.48%	4.23%	1.29%	0.16%	0.01%	0.36%	2.68%
143	59,469	-42	-0.07%	46,390	78.01%	29.08%	61.66%	4.87%	0.97%	0.19%	0.05%	0.36%	2.82%
144	59,232	-279	-0.47%	46,370	78.29%	60.82%	29.32%	2.91%	3.46%	0.14%	0.02%	0.36%	2.97%
145	59,863	352	0.59%	45,844	76.58%	51.64%	35.66%	7.02%	0.9%	0.28%	0.04%	0.41%	4.05%
146	60,203	692	1.16%	44,589	74.06%	59.32%	26.73%	5.66%	2.67%	0.17%	0.09%	0.45%	4.91%
147	59,178	-333	-0.56%	44,902	75.88%	51.94%	29.55%	8.3%	4.76%	0.23%	0.07%	0.51%	4.64%
148	59,984	473	0.79%	46,614	77.71%	58.49%	33.89%	3.66%	0.9%	0.12%	0.04%	0.28%	2.63%
149	58,893	-618	-1.04%	46,821	79.5%	60.01%	31.14%	5.61%	0.57%	0.17%	0.03%	0.2%	2.28%
150	59,276	-235	-0.39%	47,050	79.37%	36.16%	53.23%	7.23%	1.17%	0.17%	0.03%	0.17%	1.85%
151	60,059	548	0.92%	46,973	78.21%	45.21%	42.21%	7.51%	1.29%	0.18%	0.23%	0.25%	3.12%
152	60,134	623	1.05%	46,026	76.54%	66.12%	25.86%	2.84%	1.6%	0.21%	0.03%	0.3%	3.03%
153	59,299	-212	-0.36%	45,692	77.05%	24.38%	69.08%	2.93%	0.89%	0.13%	0.02%	0.24%	2.33%
154	59,994	483	0.81%	47,273	78.8%	39.54%	55.53%	2.1%	0.38%	0.16%	0.01%	0.2%	2.09%
155	58,759	-752	-1.26%	45,208	76.94%	57.32%	36.14%	2.62%	0.91%	0.18%	0.05%	0.26%	2.52%
156	59,444	-67	-0.11%	45,867	77.16%	58.49%	29.79%	8.27%	0.6%	0.17%	0.01%	0.25%	2.42%
157	59,957	446	0.75%	45,311	75.57%	61.81%	23.59%	11.19%	0.54%	0.16%	0.04%	0.21%	2.47%
158	59,440	-71	-0.12%	45,549	76.63%	59.27%	31.5%	5.6%	0.75%	0.18%	0.03%	0.25%	2.42%
159	59,895	384	0.65%	44,871	74.92%	67.46%	23.88%	3.65%	0.54%	0.28%	0.03%	0.34%	3.82%
160	59,935	424	0.71%	48,057	80.18%	66.84%	21.68%	5.5%	1.62%	0.24%	0.1%	0.28%	3.76%
161	60,097	586	0.98%	44,371	73.83%	57.53%	25.83%	7.89%	3.03%	0.24%	0.09%	0.5%	4.9%

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]
162	60,308	797	1.34%	46,733	77.49%	36.7%	43.34%	10.78%	4%	0.2%	0.24%	0.54%	4.19%
163	60,123	612	1.03%	48,461	80.6%	38.48%	46.14%	8.45%	3.12%	0.19%	0.13%	0.39%	3.1%
164	60,101	590	0.99%	45,851	76.29%	57.7%	22.03%	9.95%	4.21%	0.24%	0.12%	0.68%	5.08%
165	59,978	467	0.78%	48,247	80.44%	35.1%	52.41%	5.53%	3.19%	0.22%	0.14%	0.38%	3.02%
166	60,242	731	1.23%	47,580	78.98%	82.79%	4.94%	5.19%	2.65%	0.16%	0.05%	0.4%	3.82%
167	59,493	-18	-0.03%	44,140	74.19%	62.89%	20.99%	8.81%	1.42%	0.35%	0.23%	0.5%	4.79%
168	60,147	636	1.07%	44,867	74.6%	36.24%	43.3%	11.22%	1.98%	0.31%	0.67%	0.48%	5.79%
169	59,138	-373	-0.63%	45,267	76.54%	58.36%	28.84%	9.03%	0.79%	0.15%	0.02%	0.2%	2.6%
170	60,116	605	1.02%	45,316	75.38%	60.65%	24.39%	10.43%	1.19%	0.13%	0.02%	0.28%	2.91%
171	59,237	-274	-0.46%	45,969	77.6%	51.23%	39.79%	5.73%	0.54%	0.21%	0.03%	0.21%	2.26%
172	59,961	450	0.76%	44,756	74.64%	57.24%	23.26%	16%	0.77%	0.21%	0.03%	0.23%	2.27%
173	59,743	232	0.39%	45,292	75.81%	52.67%	36.22%	6.95%	0.79%	0.33%	0.02%	0.3%	2.72%
174	59,852	341	0.57%	45,760	76.46%	70.83%	16.91%	7.88%	0.47%	0.35%	0.04%	0.22%	3.3%
175	59,993	482	0.81%	44,704	74.52%	64.08%	23.75%	6.1%	1.78%	0.26%	0.07%	0.34%	3.64%
176	59,470	-41	-0.07%	44,991	75.65%	63.56%	21.74%	9.95%	0.91%	0.24%	0.08%	0.29%	3.23%
177	59,992	481	0.81%	46,014	76.7%	33.22%	54.7%	6.69%	1.26%	0.21%	0.07%	0.42%	3.42%
178	59,877	366	0.62%	45,638	76.22%	75.62%	14.4%	6.22%	0.52%	0.18%	0.01%	0.29%	2.76%
179	59,356	-155	-0.26%	47,156	79.45%	59.03%	28.39%	7.73%	1.06%	0.17%	0.13%	0.39%	3.11%
180	59,412	-99	-0.17%	45,362	76.35%	68.71%	16.96%	6.47%	1.56%	0.32%	0.11%	0.57%	5.3%

Total: **10,711,908**
Ideal District: **59,511**

User: **State**
Plan Name: **House-prop1-2021**
Plan Type: **House**

Population Summary

Summary Statistics:

Population Range:	58,678 to 60,308
Ratio Range:	0.03
Absolute Range:	-833 to 797
Absolute Overall Range:	1,630
Relative Range:	-1.40% to 1.34%
Relative Overall Range:	2.74%
Absolute Mean Deviation:	363.71
Relative Mean Deviation:	0.61%
Standard Deviation:	417.67

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	59,666	155	0.26%	46,801	78.44%	89.43%	3.65%	2.11%	0.57%	0.32%	0.05%	0.21%	3.65%
002	59,773	262	0.44%	46,159	77.22%	85.33%	2.64%	7.57%	1.07%	0.2%	0.02%	0.2%	2.97%
003	60,199	688	1.16%	46,716	77.6%	88.46%	2.71%	2.96%	1.56%	0.28%	0.14%	0.14%	3.77%
004	59,070	-441	-0.74%	42,798	72.45%	47.78%	4.53%	44.13%	1.28%	0.19%	0.02%	0.21%	1.86%
005	58,837	-674	-1.13%	44,623	75.84%	78.55%	3.81%	12.62%	1.26%	0.22%	0.03%	0.19%	3.31%
006	59,712	201	0.34%	45,152	75.62%	83%	1%	11.96%	0.51%	0.25%	0.02%	0.17%	3.09%
007	59,081	-430	-0.72%	48,771	82.55%	90.15%	0.34%	5.53%	0.46%	0.27%	0.01%	0.21%	3.02%
008	59,244	-267	-0.45%	49,612	83.74%	91.87%	1.12%	2.74%	0.54%	0.3%	0%	0.29%	3.13%
009	59,474	-37	-0.06%	48,273	81.17%	88.93%	1.06%	4.74%	0.83%	0.41%	0.06%	0.33%	3.64%
010	59,519	8	0.01%	47,164	79.24%	81.82%	3.19%	10.04%	1.58%	0.18%	0.03%	0.21%	2.95%
011	58,792	-719	-1.21%	45,396	77.21%	89.31%	1.43%	4.23%	1.06%	0.23%	0.03%	0.27%	3.44%
012	59,300	-211	-0.35%	46,487	78.39%	80.42%	8.94%	6.15%	1.01%	0.18%	0%	0.33%	2.97%
013	59,150	-361	-0.61%	45,176	76.38%	66.3%	18.03%	10.84%	1.36%	0.22%	0.02%	0.26%	2.97%
014	59,135	-376	-0.63%	45,511	76.96%	83.02%	6.06%	5.88%	0.8%	0.25%	0.02%	0.31%	3.65%
015	59,213	-298	-0.50%	45,791	77.33%	71.9%	13.11%	9.67%	1.36%	0.27%	0.03%	0.36%	3.3%
016	59,402	-109	-0.18%	44,009	74.09%	76.42%	10.83%	8.61%	0.79%	0.21%	0.05%	0.32%	2.76%
017	59,120	-391	-0.66%	42,761	72.33%	66.02%	21.24%	6.94%	1.41%	0.25%	0.06%	0.54%	3.55%
018	59,335	-176	-0.30%	45,159	76.11%	86.01%	7.17%	2.39%	0.62%	0.26%	0.04%	0.26%	3.24%
019	58,955	-556	-0.93%	44,299	75.14%	65.37%	22.26%	6.8%	1.21%	0.21%	0.07%	0.48%	3.59%
020	60,107	596	1.00%	45,725	76.07%	76.4%	7.96%	9.18%	2.03%	0.14%	0.04%	0.55%	3.7%
021	59,529	18	0.03%	44,931	75.48%	82.07%	4.23%	7.44%	1.87%	0.22%	0.05%	0.61%	3.51%
022	59,460	-51	-0.09%	45,815	77.05%	65.61%	13.32%	11.57%	4.04%	0.21%	0.03%	0.76%	4.47%
023	59,048	-463	-0.78%	44,254	74.95%	75.29%	5.48%	14.23%	1.12%	0.21%	0.05%	0.32%	3.3%
024	59,011	-500	-0.84%	41,814	70.86%	63.42%	6.04%	10.32%	16.41%	0.17%	0.05%	0.56%	3.03%
025	59,414	-97	-0.16%	42,520	71.57%	56.12%	5.08%	5.09%	30.56%	0.1%	0.03%	0.45%	2.56%
026	59,248	-263	-0.44%	44,081	74.4%	68.21%	3.18%	10.76%	14.26%	0.12%	0.04%	0.44%	2.99%
027	58,795	-716	-1.20%	46,004	78.24%	82.61%	3.07%	9.6%	0.83%	0.2%	0.04%	0.24%	3.4%
028	58,972	-539	-0.91%	44,444	75.36%	79.36%	3.15%	11.44%	2.16%	0.17%	0.03%	0.36%	3.33%

Population Summary

House-prop1-2021

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	59,200	-311	-0.52%	43,131	72.86%	42.29%	12.55%	39.71%	3.02%	0.14%	0.06%	0.33%	1.91%
030	59,266	-245	-0.41%	45,414	76.63%	70.5%	7.19%	16.13%	2.96%	0.15%	0.02%	0.28%	2.77%
031	59,901	390	0.66%	43,120	71.99%	68.65%	6.79%	18.95%	2.35%	0.21%	0.03%	0.32%	2.69%
032	59,145	-366	-0.62%	45,942	77.68%	82.98%	7.21%	4.87%	1.25%	0.32%	0.05%	0.2%	3.12%
033	59,187	-324	-0.54%	46,498	78.56%	82.25%	10.57%	3.13%	1.16%	0.15%	0.01%	0.29%	2.43%
034	59,875	364	0.61%	45,758	76.42%	69.23%	14.11%	7.85%	4.43%	0.12%	0.03%	0.65%	3.58%
035	59,889	378	0.64%	48,312	80.67%	53.63%	25.59%	11.15%	4.58%	0.19%	0.05%	0.77%	4.04%
036	59,994	483	0.81%	44,911	74.86%	70.77%	15.48%	6.51%	3.02%	0.15%	0.04%	0.6%	3.44%
037	59,176	-335	-0.56%	46,223	78.11%	46.26%	25.84%	18.64%	4.61%	0.21%	0.02%	0.91%	3.52%
038	59,317	-194	-0.33%	44,839	75.59%	30.1%	51.13%	12.62%	1.87%	0.24%	0.05%	0.63%	3.36%
039	59,381	-130	-0.22%	44,436	74.83%	23.47%	52.5%	18.66%	1.77%	0.17%	0.03%	0.6%	2.79%
040	59,044	-467	-0.78%	47,976	81.25%	51.14%	30.35%	5.92%	8.24%	0.15%	0.01%	0.63%	3.55%
041	60,122	611	1.03%	45,271	75.3%	27.62%	36.96%	28.55%	3.13%	0.22%	0.05%	0.84%	2.62%
042	59,620	109	0.18%	48,525	81.39%	39%	30.85%	17.38%	7.45%	0.2%	0.04%	1.14%	3.94%
043	59,464	-47	-0.08%	47,033	79.09%	46.31%	24.03%	14.15%	7.62%	0.21%	0.09%	2.27%	5.32%
044	60,002	491	0.83%	46,773	77.95%	67.69%	10.5%	10.53%	5.78%	0.2%	0.02%	1.06%	4.23%
045	59,738	227	0.38%	44,023	73.69%	74.94%	4.27%	4.85%	12.05%	0.05%	0.02%	0.59%	3.23%
046	59,108	-403	-0.68%	44,132	74.66%	74.81%	6.79%	7.38%	6.72%	0.13%	0.04%	0.61%	3.53%
047	59,126	-385	-0.65%	43,932	74.3%	63.89%	9.3%	7.37%	15.16%	0.17%	0.03%	0.62%	3.46%
048	59,003	-508	-0.85%	44,779	75.89%	61.77%	10.14%	12.41%	11.59%	0.08%	0.04%	0.56%	3.42%
049	59,153	-358	-0.60%	45,263	76.52%	71.48%	7.22%	6.7%	10.74%	0.1%	0.03%	0.63%	3.12%
050	59,523	12	0.02%	43,940	73.82%	44.37%	10.8%	6.36%	34.63%	0.07%	0.05%	0.58%	3.13%
051	58,952	-559	-0.94%	47,262	80.17%	54.33%	21.3%	13.31%	5.93%	0.18%	0.05%	1.01%	3.89%
052	59,811	300	0.50%	48,525	81.13%	55.14%	14.19%	7.41%	19.12%	0.14%	0.07%	0.68%	3.24%
053	59,953	442	0.74%	46,944	78.3%	71.2%	12.71%	7.44%	4.58%	0.09%	0.02%	0.54%	3.41%
054	60,083	572	0.96%	50,338	83.78%	62.98%	13.67%	12.79%	6.86%	0.13%	0.03%	0.53%	3.02%
055	59,971	460	0.77%	49,255	82.13%	35.51%	52.85%	4.97%	3.19%	0.18%	0.04%	0.37%	2.88%
056	58,929	-582	-0.98%	52,757	89.53%	36.98%	42.9%	5.84%	9.92%	0.2%	0.08%	0.41%	3.67%
057	59,969	458	0.77%	52,097	86.87%	63.64%	16.18%	7.95%	7.99%	0.1%	0.02%	0.6%	3.52%
058	59,057	-454	-0.76%	50,514	85.53%	27.56%	60.36%	5.07%	3.04%	0.12%	0.04%	0.51%	3.3%
059	59,434	-77	-0.13%	49,179	82.75%	22.04%	66.72%	4.43%	2.9%	0.17%	0.02%	0.54%	3.18%
060	59,709	198	0.33%	45,490	76.19%	28.09%	61.3%	5.11%	2.17%	0.18%	0.05%	0.43%	2.67%
061	59,302	-209	-0.35%	45,447	76.64%	16.75%	71.33%	7.61%	0.97%	0.17%	0.05%	0.51%	2.6%
062	59,450	-61	-0.10%	46,426	78.09%	19.07%	69.19%	6.83%	1.3%	0.21%	0.05%	0.47%	2.88%
063	59,381	-130	-0.22%	45,043	75.85%	19.22%	66.7%	9.26%	1.54%	0.21%	0.04%	0.47%	2.56%
064	58,986	-525	-0.88%	44,189	74.91%	57.83%	28.63%	7.44%	1.41%	0.3%	0.04%	0.7%	3.67%
065	59,464	-47	-0.08%	44,386	74.64%	31.46%	59.19%	4.53%	1.15%	0.19%	0.05%	0.51%	2.92%
066	59,047	-464	-0.78%	44,278	74.99%	33.93%	50.39%	9.49%	1.86%	0.26%	0.08%	0.63%	3.36%
067	59,135	-376	-0.63%	44,299	74.91%	30.86%	56.59%	7.75%	1.39%	0.19%	0.03%	0.49%	2.7%
068	59,477	-34	-0.06%	44,835	75.38%	33.94%	53.42%	6.33%	2.77%	0.14%	0.05%	0.63%	2.72%
069	58,682	-829	-1.39%	45,548	77.62%	26.89%	60.9%	5.42%	3.12%	0.18%	0.04%	0.78%	2.68%
070	59,121	-390	-0.66%	45,249	76.54%	59.69%	26.23%	7.96%	2.23%	0.22%	0.06%	0.4%	3.22%
071	59,538	27	0.05%	44,582	74.88%	69.8%	18.45%	6.18%	1.01%	0.24%	0.02%	0.42%	3.88%

Population Summary

House-prop1-2021

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]
072	59,660	149	0.25%	46,229	77.49%	69.24%	19.51%	6.94%	0.93%	0.19%	0.02%	0.23%	2.94%
073	60,036	525	0.88%	45,736	76.18%	72.58%	10.84%	7.05%	5.58%	0.14%	0.03%	0.4%	3.38%
074	58,956	-555	-0.93%	44,696	75.81%	64.44%	24%	5.55%	2.04%	0.21%	0.02%	0.47%	3.26%
075	59,743	232	0.39%	43,850	73.4%	11.27%	71.04%	11.28%	2.93%	0.18%	0.07%	0.66%	2.57%
076	59,759	248	0.42%	44,371	74.25%	10.51%	64.4%	13.23%	8.69%	0.21%	0.05%	0.51%	2.41%
077	59,242	-269	-0.45%	44,207	74.62%	7.58%	73.27%	12.2%	4.36%	0.23%	0.06%	0.41%	1.9%
078	59,044	-467	-0.78%	44,572	75.49%	15.05%	68.35%	8.89%	4.21%	0.2%	0.03%	0.63%	2.63%
079	59,500	-11	-0.02%	43,223	72.64%	7.15%	68.44%	16.03%	5.51%	0.2%	0.01%	0.56%	2.09%
080	59,461	-50	-0.08%	44,784	75.32%	47.63%	12.45%	23.12%	13.33%	0.07%	0.04%	0.56%	2.79%
081	59,007	-504	-0.85%	46,259	78.4%	47.01%	19.77%	20.92%	8.71%	0.14%	0.01%	0.46%	2.98%
082	59,724	213	0.36%	50,238	84.12%	62.46%	15.19%	6.79%	11.35%	0.11%	0.04%	0.56%	3.51%
083	59,416	-95	-0.16%	46,581	78.4%	47.9%	13.51%	28.47%	6.91%	0.1%	0.02%	0.55%	2.55%
084	59,862	351	0.59%	47,350	79.1%	21.29%	70.47%	2.96%	1.48%	0.16%	0.02%	0.55%	3.07%
085	59,373	-138	-0.23%	46,308	78%	19.48%	59.85%	5.92%	10.8%	0.21%	0.02%	0.57%	3.14%
086	59,205	-306	-0.51%	44,614	75.36%	12.08%	72.02%	4.29%	7.95%	0.15%	0.01%	0.65%	2.84%
087	59,709	198	0.33%	45,615	76.4%	13.5%	69.72%	6.69%	6.22%	0.24%	0.02%	0.64%	2.97%
088	59,689	178	0.30%	46,073	77.19%	18.3%	60.15%	9.97%	7.64%	0.22%	0.07%	0.64%	3.01%
089	59,866	355	0.60%	46,198	77.17%	31.07%	60.06%	3.42%	1.92%	0.15%	0.03%	0.41%	2.93%
090	59,812	301	0.51%	48,015	80.28%	33.98%	56.05%	4.26%	1.82%	0.12%	0.03%	0.53%	3.2%
091	60,050	539	0.91%	46,173	76.89%	22%	67.15%	5.86%	1.44%	0.15%	0.05%	0.49%	2.86%
092	60,273	762	1.28%	46,551	77.23%	24.05%	65.71%	4.68%	1.67%	0.17%	0.03%	0.61%	3.08%
093	60,118	607	1.02%	44,734	74.41%	22.91%	62.36%	9.58%	1.48%	0.17%	0.09%	0.61%	2.81%
094	59,211	-300	-0.50%	44,809	75.68%	18.42%	65.61%	7.29%	4.85%	0.19%	0.02%	0.54%	3.07%
095	60,030	519	0.87%	44,948	74.88%	21.83%	63.61%	7.94%	2.43%	0.22%	0.04%	0.67%	3.27%
096	59,515	4	0.01%	44,671	75.06%	20.32%	20.75%	36.03%	19.7%	0.11%	0.04%	0.6%	2.44%
097	59,072	-439	-0.74%	46,339	78.44%	36.44%	24.16%	19.23%	16.07%	0.19%	0.05%	0.6%	3.25%
098	59,998	487	0.82%	42,734	71.23%	11.66%	20.91%	52.77%	12.28%	0.12%	0.05%	0.51%	1.71%
099	59,850	339	0.57%	45,004	75.19%	42.1%	13.07%	8.67%	32.63%	0.13%	0.04%	0.48%	2.89%
100	60,030	519	0.87%	42,669	71.08%	59.05%	8.86%	9.98%	18.41%	0.19%	0.06%	0.43%	3.02%
101	59,938	427	0.72%	46,584	77.72%	40.14%	21.87%	18.24%	15.98%	0.16%	0.05%	0.54%	3.02%
102	58,959	-552	-0.93%	42,968	72.88%	30.65%	34.79%	21.34%	9.57%	0.2%	0.03%	0.52%	2.89%
103	60,197	686	1.15%	44,399	73.76%	52.42%	15.01%	16.89%	12.19%	0.12%	0.03%	0.5%	2.83%
104	59,362	-149	-0.25%	43,306	72.95%	62.96%	15.44%	11.14%	6.38%	0.18%	0.05%	0.51%	3.34%
105	59,344	-167	-0.28%	43,474	73.26%	41.74%	26.67%	16.76%	11.05%	0.1%	0.03%	0.54%	3.12%
106	59,112	-399	-0.67%	43,890	74.25%	41.22%	33.7%	11.14%	9.73%	0.16%	0.03%	0.74%	3.28%
107	59,702	191	0.32%	44,509	74.55%	21.96%	27.02%	31.09%	16.75%	0.18%	0.04%	0.56%	2.4%
108	59,577	66	0.11%	44,308	74.37%	43.36%	16.55%	18.16%	18.34%	0.18%	0.04%	0.53%	2.84%
109	59,630	119	0.20%	44,140	74.02%	15.44%	29.65%	36.12%	15.82%	0.12%	0.06%	0.55%	2.25%
110	59,951	440	0.74%	43,226	72.1%	36.58%	44.02%	10.49%	4.72%	0.18%	0.04%	0.72%	3.25%
111	60,009	498	0.84%	44,096	73.48%	64%	20.56%	8.84%	2.56%	0.2%	0.04%	0.64%	3.17%
112	59,349	-162	-0.27%	45,120	76.02%	73.73%	18.26%	3.28%	1.26%	0.22%	0.02%	0.41%	2.81%
113	60,053	542	0.91%	44,538	74.16%	31.8%	56.48%	6.65%	0.83%	0.15%	0.11%	0.59%	3.39%
114	59,867	356	0.60%	45,872	76.62%	68.84%	23.42%	3.73%	0.71%	0.18%	0.01%	0.35%	2.76%

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]
115	60,174	663	1.11%	44,807	74.46%	36.95%	49.2%	6.97%	2.68%	0.2%	0.05%	0.69%	3.26%
116	59,913	402	0.68%	45,791	76.43%	27.22%	54.93%	7.29%	6.48%	0.19%	0.09%	0.74%	3.05%
117	60,130	619	1.04%	44,973	74.79%	54.5%	34.54%	5.44%	1.54%	0.19%	0.04%	0.52%	3.22%
118	59,987	476	0.80%	46,342	77.25%	69.73%	22.7%	3.68%	0.42%	0.2%	0.02%	0.39%	2.85%
119	58,947	-564	-0.95%	44,005	74.65%	69.8%	12.31%	10.44%	3.75%	0.17%	0.02%	0.43%	3.08%
120	58,982	-529	-0.89%	46,767	79.29%	71.94%	13.21%	7.09%	4.18%	0.16%	0.05%	0.44%	2.91%
121	59,127	-384	-0.65%	46,598	78.81%	76.13%	8.6%	5.57%	5.84%	0.1%	0%	0.46%	3.3%
122	59,632	121	0.20%	48,840	81.9%	54.8%	27.13%	11.7%	2.41%	0.32%	0.06%	0.79%	2.79%
123	59,282	-229	-0.38%	46,572	78.56%	68.06%	23.42%	4.31%	1.06%	0.19%	0.02%	0.2%	2.75%
124	59,221	-290	-0.49%	47,638	80.44%	65.01%	24.61%	6.17%	1.08%	0.19%	0.02%	0.31%	2.61%
125	60,137	626	1.05%	43,812	72.85%	63.03%	21.43%	7.66%	2.6%	0.31%	0.16%	0.39%	4.41%
126	59,260	-251	-0.42%	45,497	76.78%	39.97%	52.63%	3.17%	0.89%	0.29%	0.16%	0.29%	2.62%
127	58,678	-833	-1.40%	45,889	78.2%	68.13%	16.88%	4.77%	5.68%	0.19%	0.16%	0.43%	3.77%
128	58,864	-647	-1.09%	46,488	78.98%	46.49%	49.38%	1.7%	0.35%	0.19%	0.01%	0.17%	1.71%
129	58,829	-682	-1.15%	46,873	79.68%	37.16%	52.33%	4.26%	2.4%	0.19%	0.15%	0.41%	3.1%
130	59,203	-308	-0.52%	44,019	74.35%	33.74%	57.69%	3.86%	0.97%	0.26%	0.19%	0.34%	2.95%
131	58,890	-621	-1.04%	42,968	72.96%	68.16%	15.87%	5.87%	5.21%	0.21%	0.1%	0.55%	4.03%
132	59,142	-369	-0.62%	46,752	79.05%	35.63%	49.82%	7.8%	2.74%	0.27%	0.16%	0.3%	3.28%
133	59,202	-309	-0.52%	47,222	79.76%	58.39%	35.87%	2.15%	1.15%	0.15%	0.04%	0.36%	1.89%
134	59,396	-115	-0.19%	45,110	75.95%	59.9%	32.37%	3.74%	0.81%	0.23%	0.02%	0.25%	2.69%
135	60,063	552	0.93%	46,725	77.79%	71.78%	22.84%	1.82%	0.55%	0.16%	0.01%	0.25%	2.57%
136	59,298	-213	-0.36%	45,367	76.51%	63.9%	27.76%	3.64%	1.55%	0.26%	0.04%	0.29%	2.55%
137	59,551	40	0.07%	45,358	76.17%	40.82%	50.02%	4.48%	1.73%	0.12%	0.12%	0.26%	2.44%
138	58,912	-599	-1.01%	45,684	77.55%	72.34%	18.26%	3.31%	2.43%	0.26%	0.07%	0.35%	2.97%
139	59,010	-501	-0.84%	45,522	77.14%	66.19%	18.56%	6.36%	3.89%	0.25%	0.24%	0.46%	4.04%
140	59,294	-217	-0.36%	44,411	74.9%	31.7%	54.74%	8.02%	1.17%	0.24%	0.2%	0.49%	3.43%
141	59,019	-492	-0.83%	44,677	75.7%	31.77%	54.65%	6.55%	2.69%	0.27%	0.3%	0.38%	3.38%
142	59,608	97	0.16%	44,584	74.8%	34.8%	57.42%	3.7%	1.4%	0.17%	0.02%	0.28%	2.2%
143	59,469	-42	-0.07%	46,390	78.01%	32.28%	58.98%	4.67%	1.07%	0.21%	0.05%	0.3%	2.44%
144	59,232	-279	-0.47%	46,370	78.29%	62.95%	28.34%	2.55%	3.45%	0.14%	0.02%	0.26%	2.29%
145	59,863	352	0.59%	45,844	76.58%	55.12%	33.97%	5.94%	0.99%	0.33%	0.03%	0.3%	3.32%
146	60,203	692	1.16%	44,589	74.06%	61.84%	26.08%	4.73%	2.98%	0.18%	0.09%	0.39%	3.71%
147	59,178	-333	-0.56%	44,902	75.88%	55.32%	28.41%	7.17%	4.85%	0.25%	0.07%	0.41%	3.52%
148	59,984	473	0.79%	46,614	77.71%	60.45%	33.11%	3.08%	0.87%	0.14%	0.04%	0.21%	2.1%
149	58,893	-618	-1.04%	46,821	79.5%	60.99%	30.75%	5.69%	0.57%	0.19%	0.04%	0.14%	1.63%
150	59,276	-235	-0.39%	47,050	79.37%	38.31%	52.5%	6.13%	1.18%	0.16%	0.03%	0.15%	1.54%
151	60,059	548	0.92%	46,973	78.21%	47.2%	40.96%	7.28%	1.43%	0.18%	0.18%	0.19%	2.58%
152	60,134	623	1.05%	46,026	76.54%	67.94%	25.26%	2.34%	1.52%	0.24%	0.04%	0.19%	2.46%
153	59,299	-212	-0.36%	45,692	77.05%	27.66%	66.38%	2.55%	1%	0.16%	0.03%	0.23%	2.01%
154	59,994	483	0.81%	47,273	78.8%	42.24%	53.68%	1.67%	0.36%	0.19%	0%	0.16%	1.7%
155	58,759	-752	-1.26%	45,208	76.94%	59.77%	34.6%	2.22%	0.95%	0.16%	0.04%	0.21%	2.05%
156	59,444	-67	-0.11%	45,867	77.16%	60.92%	29.32%	6.88%	0.62%	0.16%	0.01%	0.15%	1.93%
157	59,957	446	0.75%	45,311	75.57%	64.48%	23.7%	8.96%	0.57%	0.17%	0.04%	0.16%	1.93%

Population Summary

House-prop1-2021

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]
158	59,440	-71	-0.12%	45,549	76.63%	62.21%	30.2%	4.52%	0.71%	0.21%	0.03%	0.18%	1.93%
159	59,895	384	0.65%	44,871	74.92%	69.39%	23.44%	2.87%	0.57%	0.31%	0.04%	0.26%	3.12%
160	59,935	424	0.71%	48,057	80.18%	68.48%	21.07%	5.04%	1.64%	0.24%	0.09%	0.27%	3.17%
161	60,097	586	0.98%	44,371	73.83%	60.16%	25.26%	6.82%	3.16%	0.25%	0.09%	0.48%	3.77%
162	60,308	797	1.34%	46,733	77.49%	40.62%	41.13%	9.58%	4.16%	0.22%	0.24%	0.44%	3.61%
163	60,123	612	1.03%	48,461	80.6%	41.92%	43.78%	7.38%	3.6%	0.2%	0.1%	0.33%	2.68%
164	60,101	590	0.99%	45,851	76.29%	60.61%	21.43%	8.49%	4.37%	0.26%	0.12%	0.6%	4.12%
165	59,978	467	0.78%	48,247	80.44%	39.18%	48.49%	5.33%	3.68%	0.25%	0.14%	0.35%	2.57%
166	60,242	731	1.23%	47,580	78.98%	84.71%	4.96%	4.07%	2.69%	0.18%	0.05%	0.36%	2.97%
167	59,493	-18	-0.03%	44,140	74.19%	65.96%	20.55%	7.41%	1.48%	0.39%	0.18%	0.39%	3.66%
168	60,147	636	1.07%	44,867	74.6%	39.29%	42.28%	10.3%	2.32%	0.33%	0.65%	0.38%	4.46%
169	59,138	-373	-0.63%	45,267	76.54%	60.95%	28.12%	7.66%	0.88%	0.14%	0.03%	0.16%	2.06%
170	60,116	605	1.02%	45,316	75.38%	64.17%	23.21%	8.65%	1.19%	0.12%	0.02%	0.25%	2.38%
171	59,237	-274	-0.46%	45,969	77.6%	53.85%	38.58%	4.63%	0.56%	0.24%	0.02%	0.17%	1.95%
172	59,961	450	0.76%	44,756	74.64%	61.03%	22.46%	13.42%	0.78%	0.23%	0.03%	0.19%	1.87%
173	59,743	232	0.39%	45,292	75.81%	55.68%	35.18%	5.35%	0.84%	0.37%	0.02%	0.26%	2.31%
174	59,852	341	0.57%	45,760	76.46%	72.25%	16.08%	7.96%	0.52%	0.38%	0.03%	0.15%	2.64%
175	59,993	482	0.81%	44,704	74.52%	66.49%	23.13%	5.03%	1.85%	0.28%	0.06%	0.3%	2.86%
176	59,470	-41	-0.07%	44,991	75.65%	66.15%	21.61%	8.24%	0.96%	0.25%	0.1%	0.19%	2.49%
177	59,992	481	0.81%	46,014	76.7%	37.12%	51.68%	6.12%	1.36%	0.24%	0.08%	0.36%	3.04%
178	59,877	366	0.62%	45,638	76.22%	77.79%	13.99%	5.14%	0.54%	0.2%	0.01%	0.23%	2.09%
179	59,356	-155	-0.26%	47,156	79.45%	63.69%	25.74%	6.38%	1.07%	0.15%	0.11%	0.34%	2.51%
180	59,412	-99	-0.17%	45,362	76.35%	71.17%	16.63%	5.62%	1.67%	0.31%	0.11%	0.47%	4.02%

Total: **10,711,908**
Ideal District: **59,511**

Draft- Georgia House Districts

Client: H143
Plan: GHDC-HousePlan-2021
Type: House

Exhibit
0003

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

Map layers
Districts
County
0 20 40
Miles

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Draft- Georgia House Districts

Client: H143
Plan: GHDC-HousePlan-2021
Type: House

Draft- Georgia House Districts

Client: H143
Plan: GHDC-HousePlan-2021
Type: House

Draft- Georgia House Districts

Client: H143
Plan: GHDC-HousePlan-2021
Type: House

User: **H143**
Plan Name: **GHDC-HousePlan-2021**
Plan Type: **House**

Population Summary

Thursday, October 28, 2021 6:58 PM

Summary Statistics:

Population Range:	58,926 to 60,024
Ratio Range:	0.02
Absolute Range:	-585 to 513
Absolute Overall Range:	1,098
Relative Range:	-0.98% to 0.86%
Relative Overall Range:	1.85%
Absolute Mean Deviation:	208.13
Relative Mean Deviation:	0.35%
Standard Deviation:	271.45

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	59,039	-472	-0.79%	46,267	78.37%	88.83%	3.24%	2.53%	0.48%	0.29%	0.04%	0.3%	4.29%
002	59,503	-8	-0.01%	43,454	73.03%	66.1%	4.61%	15.44%	8.93%	0.15%	0.03%	0.5%	4.24%
003	59,512	1	0.00%	46,186	77.61%	86.86%	2.85%	3.6%	1.64%	0.26%	0.14%	0.18%	4.47%
004	59,358	-153	-0.26%	43,879	73.92%	50.52%	4.24%	40.62%	1.69%	0.18%	0.02%	0.3%	2.43%
005	59,001	-510	-0.86%	44,384	75.23%	71.18%	3.42%	20.05%	1.12%	0.23%	0.03%	0.24%	3.73%
006	59,576	65	0.11%	44,680	75%	70.6%	1.69%	23.82%	0.73%	0.15%	0.01%	0.23%	2.78%
007	59,081	-430	-0.72%	48,771	82.55%	87.97%	0.37%	7.43%	0.45%	0.26%	0.01%	0.24%	3.27%
008	59,872	361	0.61%	50,372	84.13%	90.32%	0.7%	4.7%	0.48%	0.25%	0.01%	0.27%	3.26%
009	59,528	17	0.03%	48,155	80.89%	87.31%	1.07%	5.79%	0.82%	0.35%	0.06%	0.36%	4.24%
010	59,531	20	0.03%	46,913	78.8%	79.55%	3.38%	11.15%	1.43%	0.25%	0.05%	0.3%	3.89%
011	59,511	0	0.00%	46,785	78.62%	88.84%	1.13%	5.1%	0.56%	0.24%	0.01%	0.19%	3.93%
012	59,580	69	0.12%	46,298	77.71%	85.51%	6.01%	3.49%	0.5%	0.2%	0.02%	0.28%	3.99%
013	59,511	0	0.00%	45,375	76.25%	58.73%	19.9%	15.19%	1.82%	0.23%	0.02%	0.47%	3.63%
014	59,659	148	0.25%	46,120	77.31%	81.87%	5.94%	6.65%	0.79%	0.19%	0.03%	0.31%	4.22%
015	59,511	0	0.00%	45,764	76.9%	68.54%	13.52%	11.71%	1.17%	0.25%	0.03%	0.46%	4.31%
016	59,758	247	0.42%	45,634	76.36%	73.13%	10.38%	11.81%	0.57%	0.2%	0.04%	0.35%	3.53%
017	59,511	0	0.00%	43,434	72.98%	67%	19.56%	7.17%	0.88%	0.21%	0.07%	0.61%	4.5%
018	59,766	255	0.43%	45,710	76.48%	78.46%	10.39%	6.35%	0.61%	0.24%	0.04%	0.33%	3.59%
019	59,652	141	0.24%	43,447	72.83%	61.44%	23.91%	7.69%	1.76%	0.26%	0.08%	0.64%	4.22%
020	59,333	-178	-0.30%	45,586	76.83%	68.74%	9.03%	13.89%	2.56%	0.21%	0.03%	0.66%	4.88%
021	59,513	2	0.00%	44,643	75.01%	73.94%	8.05%	10.15%	2.38%	0.16%	0.05%	0.64%	4.63%
022	59,527	16	0.03%	45,121	75.8%	82.88%	3.55%	7.19%	1.49%	0.16%	0.04%	0.49%	4.19%
023	59,347	-164	-0.28%	45,536	76.73%	72.71%	5.66%	16.22%	0.87%	0.26%	0.03%	0.35%	3.89%
024	59,176	-335	-0.56%	41,808	70.65%	69.51%	4.16%	8.38%	13.15%	0.19%	0.04%	0.59%	3.97%
025	59,721	210	0.35%	42,035	70.39%	51.38%	5.51%	8.37%	30.57%	0.18%	0.03%	0.51%	3.44%
026	59,538	27	0.05%	44,423	74.61%	71.13%	2.3%	9.29%	13.32%	0.21%	0.04%	0.39%	3.33%
027	59,512	1	0.00%	46,884	78.78%	78.01%	3.81%	12.94%	0.96%	0.17%	0.04%	0.31%	3.76%
028	59,491	-20	-0.03%	46,345	77.9%	80.77%	7.01%	6.41%	1.31%	0.27%	0.05%	0.26%	3.93%
029	59,511	0	0.00%	43,681	73.4%	37.67%	11.4%	45.55%	2.62%	0.11%	0.07%	0.42%	2.16%

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	59,320	-191	-0.32%	44,425	74.89%	54.12%	7.02%	32.9%	2.48%	0.2%	0.02%	0.33%	2.93%
031	59,485	-26	-0.04%	43,764	73.57%	77.2%	6.14%	9.48%	2.73%	0.18%	0.03%	0.39%	3.85%
032	59,568	57	0.10%	46,697	78.39%	79.95%	10.9%	4.04%	1.22%	0.16%	0.01%	0.33%	3.38%
033	60,015	504	0.85%	46,386	77.29%	72.72%	15.03%	6.95%	1.38%	0.13%	0.02%	0.3%	3.46%
034	59,443	-68	-0.11%	47,097	79.23%	59.02%	19.57%	10.11%	5.5%	0.15%	0.03%	0.96%	4.66%
035	59,720	209	0.35%	45,660	76.46%	55.17%	22.22%	12.04%	4.46%	0.24%	0.04%	0.85%	4.98%
036	59,497	-14	-0.02%	44,534	74.85%	70.94%	13.61%	6.66%	3.25%	0.08%	0.03%	0.72%	4.72%
037	59,856	345	0.58%	47,990	80.18%	45.77%	24.72%	19.07%	4.82%	0.21%	0.05%	1.02%	4.34%
038	59,652	141	0.24%	45,482	76.25%	27.18%	51.52%	14.59%	2.04%	0.19%	0.08%	0.7%	3.7%
039	59,075	-436	-0.73%	44,135	74.71%	20.79%	51.35%	22.3%	1.47%	0.15%	0.03%	0.64%	3.26%
040	59,139	-372	-0.63%	49,622	83.91%	46.3%	29.75%	8.57%	9.99%	0.18%	0.03%	0.85%	4.34%
041	59,690	179	0.30%	44,440	74.45%	26.08%	34.95%	31.87%	2.74%	0.16%	0.04%	0.88%	3.28%
042	59,523	12	0.02%	47,716	80.16%	31.71%	31.79%	26.19%	4.27%	0.19%	0.06%	1.35%	4.43%
043	59,064	-447	-0.75%	45,439	76.93%	57.68%	14.29%	8.1%	11.89%	0.18%	0.04%	2.01%	5.8%
044	59,373	-138	-0.23%	46,067	77.59%	64.12%	11.99%	10.38%	6.77%	0.18%	0.03%	1.09%	5.44%
045	59,566	55	0.09%	44,209	74.22%	74.91%	4.57%	5.97%	9.42%	0.09%	0.02%	0.66%	4.35%
046	59,546	35	0.06%	44,947	75.48%	72.93%	6.48%	10.22%	4.76%	0.11%	0.03%	0.86%	4.61%
047	58,967	-544	-0.91%	43,110	73.11%	66.71%	8.21%	6.66%	13.35%	0.15%	0.02%	0.54%	4.35%
048	59,597	86	0.14%	46,049	77.27%	54.79%	13.12%	20.27%	6.62%	0.09%	0.04%	0.84%	4.23%
049	59,674	163	0.27%	45,390	76.06%	54.72%	9.58%	8.4%	22.32%	0.17%	0.05%	0.87%	3.89%
050	58,945	-566	-0.95%	43,572	73.92%	42.39%	10.69%	6.39%	35.7%	0.08%	0.05%	0.62%	4.08%
051	59,538	27	0.05%	48,052	80.71%	53.91%	21.45%	12.17%	6.8%	0.12%	0.03%	0.91%	4.61%
052	59,618	107	0.18%	48,196	80.84%	56.26%	14.46%	13.2%	11.49%	0.13%	0.05%	0.56%	3.84%
053	59,515	4	0.01%	44,376	74.56%	26.37%	56.79%	9.17%	3.21%	0.17%	0.05%	0.56%	3.67%
054	59,916	405	0.68%	52,449	87.54%	63.37%	16.25%	7.83%	7.95%	0.18%	0.02%	0.57%	3.84%
055	59,379	-132	-0.22%	46,916	79.01%	4.9%	88.9%	2.81%	0.46%	0.17%	0.01%	0.4%	2.35%
056	59,151	-360	-0.60%	52,459	88.69%	33.78%	47.83%	5.57%	8.3%	0.18%	0.08%	0.46%	3.81%
057	59,870	359	0.60%	51,891	86.67%	44.74%	37.48%	7.67%	5.68%	0.11%	0.02%	0.56%	3.74%
058	59,724	213	0.36%	51,871	86.85%	36.17%	49.19%	5.38%	4.22%	0.19%	0.03%	0.65%	4.16%
059	59,872	361	0.61%	47,237	78.9%	33.09%	49.2%	11.13%	2.22%	0.21%	0.05%	0.45%	3.65%
060	59,485	-26	-0.04%	44,361	74.58%	8.24%	72.03%	14.68%	1.73%	0.24%	0.02%	0.53%	2.53%
061	59,865	354	0.59%	45,682	76.31%	14.27%	70.63%	10.5%	0.95%	0.2%	0.06%	0.5%	2.9%
062	59,599	88	0.15%	44,935	75.4%	32.31%	52.14%	9.7%	1.2%	0.22%	0.03%	0.64%	3.76%
063	59,936	425	0.71%	46,251	77.17%	11.44%	78.41%	5.04%	1.38%	0.22%	0.04%	0.68%	2.8%
064	59,998	487	0.82%	44,821	74.7%	5.1%	86.06%	4.8%	0.57%	0.1%	0.03%	0.76%	2.6%
065	59,415	-96	-0.16%	44,449	74.81%	10.77%	77.33%	7.9%	0.73%	0.16%	0.03%	0.51%	2.58%
066	59,054	-457	-0.77%	43,879	74.3%	30.96%	52.29%	9.69%	1.71%	0.24%	0.09%	0.82%	4.19%
067	59,367	-144	-0.24%	44,550	75.04%	64.67%	21%	7.58%	1.09%	0.26%	0.05%	0.71%	4.65%
068	59,140	-371	-0.62%	44,313	74.93%	67.24%	18.85%	7.36%	0.97%	0.25%	0.02%	0.51%	4.8%
069	59,651	140	0.24%	46,047	77.19%	66.28%	21.87%	5.86%	1.66%	0.2%	0.04%	0.28%	3.81%
070	59,322	-189	-0.32%	45,268	76.31%	72.38%	15.41%	6.4%	1.3%	0.25%	0.04%	0.39%	3.82%
071	59,203	-308	-0.52%	45,550	76.94%	65.11%	15.78%	8.57%	5.59%	0.17%	0.05%	0.54%	4.19%
072	59,984	473	0.79%	45,931	76.57%	66.69%	15.11%	7.86%	5.1%	0.14%	0.04%	0.69%	4.37%
073	59,455	-56	-0.09%	44,961	75.62%	56.73%	30.18%	6.69%	1.85%	0.2%	0.02%	0.48%	3.85%

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]
074	59,453	-58	-0.10%	44,149	74.26%	7.03%	66.99%	15.91%	7.16%	0.2%	0.04%	0.48%	2.18%
075	59,873	362	0.61%	44,777	74.79%	11.13%	69.67%	11.07%	4.26%	0.15%	0.05%	0.58%	3.09%
076	59,544	33	0.06%	45,413	76.27%	12.79%	68.5%	9.98%	4.89%	0.14%	0.05%	0.61%	3.03%
077	59,646	135	0.23%	43,403	72.77%	5.89%	70.17%	17.16%	3.37%	0.24%	0.03%	0.67%	2.48%
078	59,789	278	0.47%	45,365	75.88%	24.1%	55.36%	9.72%	6.24%	0.2%	0.07%	0.72%	3.59%
079	59,508	-3	-0.01%	45,458	76.39%	50.91%	13.09%	14.67%	16.75%	0.08%	0.04%	0.71%	3.76%
080	59,157	-354	-0.59%	47,688	80.61%	59.17%	11.3%	17.82%	7.38%	0.09%	0.03%	0.61%	3.59%
081	59,884	373	0.63%	45,348	75.73%	35.79%	10.38%	39.4%	10.76%	0.17%	0.03%	0.63%	2.84%
082	59,699	188	0.32%	48,887	81.89%	46.64%	18.22%	21.7%	8.99%	0.11%	0.02%	0.67%	3.66%
083	59,624	113	0.19%	46,307	77.67%	38.35%	50.13%	4.39%	2.51%	0.16%	0.03%	0.5%	3.93%
084	59,343	-168	-0.28%	47,225	79.58%	31.09%	55.79%	4.03%	4.42%	0.15%	0.03%	0.62%	3.88%
085	59,792	281	0.47%	46,309	77.45%	24.04%	52.16%	5.02%	13.92%	0.19%	0.03%	0.68%	3.96%
086	59,633	122	0.21%	45,637	76.53%	25.7%	55.08%	6.49%	8.62%	0.18%	0.02%	0.65%	3.26%
087	59,801	290	0.49%	46,173	77.21%	16.16%	63.4%	8.67%	7.54%	0.22%	0.02%	0.61%	3.39%
088	59,512	1	0.00%	46,477	78.1%	16.22%	64.39%	12.04%	3.03%	0.24%	0.05%	0.69%	3.33%
089	59,007	-504	-0.85%	47,155	79.91%	31.55%	57.13%	5.24%	1.61%	0.12%	0.03%	0.63%	3.7%
090	59,411	-100	-0.17%	46,508	78.28%	19.22%	71.76%	4.03%	1.1%	0.14%	0.02%	0.55%	3.17%
091	59,019	-492	-0.83%	45,395	76.92%	17.38%	71.34%	5.53%	1.52%	0.15%	0.06%	0.7%	3.31%
092	59,597	86	0.14%	44,307	74.34%	11.38%	73.52%	10.53%	0.78%	0.17%	0.06%	0.54%	3.01%
093	59,455	-56	-0.09%	44,281	74.48%	12.27%	71.46%	9.58%	2.26%	0.18%	0.03%	0.71%	3.49%
094	59,305	-206	-0.35%	44,803	75.55%	18.25%	62.87%	9.03%	5.45%	0.18%	0.03%	0.66%	3.53%
095	59,763	252	0.42%	46,128	77.18%	40.81%	22.31%	20.23%	11.85%	0.17%	0.03%	0.66%	3.93%
096	59,534	23	0.04%	45,289	76.07%	19.47%	21.88%	35.97%	18.91%	0.14%	0.06%	0.7%	2.86%
097	59,294	-217	-0.36%	42,583	71.82%	51.43%	10.08%	10.97%	22.79%	0.13%	0.03%	0.56%	4.01%
098	59,512	1	0.00%	42,682	71.72%	45.29%	26.78%	16.63%	6.49%	0.12%	0.02%	0.72%	3.95%
099	59,736	225	0.38%	42,537	71.21%	9.67%	19.55%	57.51%	10.63%	0.13%	0.05%	0.6%	1.85%
100	59,526	15	0.03%	44,064	74.02%	12.37%	28.19%	42.74%	13.28%	0.18%	0.03%	0.65%	2.56%
101	59,281	-230	-0.39%	45,347	76.49%	27.68%	24.25%	26.29%	17.54%	0.17%	0.04%	0.66%	3.37%
102	58,952	-559	-0.94%	44,877	76.12%	34.91%	28.09%	22.2%	10.28%	0.15%	0.03%	0.66%	3.68%
103	59,308	-203	-0.34%	43,664	73.62%	58.36%	12.2%	17.43%	7.71%	0.17%	0.04%	0.5%	3.6%
104	59,524	13	0.02%	43,661	73.35%	53.27%	18.52%	12.58%	10.89%	0.1%	0.03%	0.62%	3.97%
105	59,511	0	0.00%	43,243	72.66%	28.68%	41.84%	17.45%	7.17%	0.19%	0.05%	0.73%	3.88%
106	59,532	21	0.04%	44,091	74.06%	35.16%	39.22%	11.83%	8.48%	0.18%	0.04%	0.89%	4.2%
107	58,947	-564	-0.95%	43,486	73.77%	27.58%	25.87%	24.9%	17.69%	0.15%	0.04%	0.65%	3.13%
108	59,405	-106	-0.18%	44,311	74.59%	34.44%	19.3%	22.75%	19.15%	0.17%	0.04%	0.64%	3.5%
109	59,486	-25	-0.04%	44,473	74.76%	37.33%	47.1%	7.34%	2.93%	0.17%	0.06%	0.78%	4.29%
110	59,069	-442	-0.74%	44,030	74.54%	64.71%	24.68%	5.46%	0.7%	0.18%	0.02%	0.5%	3.76%
111	59,765	254	0.43%	44,383	74.26%	32.18%	51.75%	8.01%	3.23%	0.17%	0.06%	0.77%	3.83%
112	58,991	-520	-0.87%	43,954	74.51%	77.67%	12.08%	4.03%	2.69%	0.14%	0%	0.37%	3.03%
113	59,201	-310	-0.52%	43,906	74.16%	22.18%	64.78%	7.12%	1.17%	0.2%	0.13%	0.75%	3.67%
114	59,513	2	0.00%	43,502	73.1%	51.01%	31.16%	10.57%	2.41%	0.18%	0.05%	0.79%	3.83%
115	59,062	-449	-0.75%	44,162	74.77%	67.69%	18.83%	6.83%	1.89%	0.2%	0.05%	0.6%	3.91%
116	59,943	432	0.73%	45,302	75.58%	67.37%	11.91%	11.98%	3.99%	0.13%	0.02%	0.52%	4.09%
117	59,574	63	0.11%	49,997	83.92%	65.92%	14.72%	8.7%	6.2%	0.23%	0.03%	0.56%	3.63%

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]
118	59,844	333	0.56%	48,350	80.79%	48.54%	30.96%	13.93%	2.22%	0.23%	0.07%	0.87%	3.19%
119	59,891	380	0.64%	45,332	75.69%	18.36%	65.54%	9.31%	2.65%	0.19%	0.04%	0.76%	3.14%
120	59,733	222	0.37%	47,997	80.35%	64.19%	23.28%	6.81%	1.56%	0.18%	0.02%	0.51%	3.46%
121	59,591	80	0.13%	45,496	76.35%	64.81%	24.11%	5.23%	0.92%	0.27%	0.1%	0.34%	4.23%
122	59,518	7	0.01%	43,184	72.56%	67.29%	13.74%	6.24%	6.35%	0.16%	0.12%	0.64%	5.46%
123	59,698	187	0.31%	46,931	78.61%	65.5%	18.47%	5.88%	4.35%	0.19%	0.19%	0.49%	4.92%
124	59,863	352	0.59%	47,628	79.56%	34.52%	54.09%	4.86%	2.13%	0.22%	0.12%	0.43%	3.63%
125	59,863	352	0.59%	44,610	74.52%	24.83%	66.06%	4.16%	0.77%	0.25%	0.13%	0.38%	3.42%
126	59,913	402	0.68%	45,800	76.44%	38.27%	51.13%	4.95%	1.12%	0.29%	0.21%	0.39%	3.66%
127	59,769	258	0.43%	45,675	76.42%	38.61%	40.66%	10.76%	3.2%	0.28%	0.27%	0.55%	5.67%
128	59,683	172	0.29%	47,025	78.79%	39.4%	55.86%	1.98%	0.38%	0.18%	0.01%	0.14%	2.05%
129	59,049	-462	-0.78%	45,727	77.44%	68.53%	20.34%	5.83%	0.87%	0.16%	0.04%	0.42%	3.81%
130	59,518	7	0.01%	45,447	76.36%	52.17%	37.62%	5.14%	0.98%	0.2%	0.04%	0.41%	3.44%
131	59,321	-190	-0.32%	46,120	77.75%	70.74%	22.71%	2.27%	0.52%	0.17%	0.01%	0.33%	3.26%
132	59,066	-445	-0.75%	44,684	75.65%	64.82%	23.85%	5.93%	1.21%	0.23%	0.03%	0.42%	3.51%
133	59,704	193	0.32%	45,813	76.73%	61.16%	29.13%	3.89%	1.87%	0.19%	0.05%	0.37%	3.36%
134	59,263	-248	-0.42%	45,749	77.2%	64.98%	17.85%	7.36%	3.89%	0.26%	0.2%	0.57%	4.89%
135	59,511	0	0.00%	44,554	74.87%	29.02%	55.52%	9.05%	1.01%	0.27%	0.24%	0.53%	4.38%
136	59,805	294	0.49%	45,173	75.53%	31.85%	51.72%	7.81%	3.3%	0.25%	0.28%	0.5%	4.3%
137	59,758	247	0.42%	46,253	77.4%	39.35%	50.24%	5.13%	1.23%	0.17%	0.18%	0.35%	3.36%
138	59,005	-506	-0.85%	44,980	76.23%	37.97%	14.89%	10.13%	32.08%	0.16%	0.05%	0.64%	4.08%
139	59,040	-471	-0.79%	46,978	79.57%	36.64%	54.92%	5.02%	1.23%	0.15%	0.03%	0.18%	1.83%
140	59,386	-125	-0.21%	46,873	78.93%	63.82%	28.15%	3.69%	0.51%	0.19%	0.02%	0.41%	3.21%
141	59,321	-190	-0.32%	46,459	78.32%	65.61%	24.79%	3.01%	3.29%	0.18%	0.02%	0.28%	2.81%
142	59,511	0	0.00%	44,230	74.32%	26.6%	64.75%	4.3%	1.24%	0.19%	0.01%	0.38%	2.53%
143	59,559	48	0.08%	46,340	77.81%	30.32%	60.7%	4.21%	1.11%	0.16%	0.05%	0.39%	3.05%
144	59,288	-223	-0.37%	46,102	77.76%	57.14%	30.49%	6.81%	1.5%	0.24%	0.05%	0.38%	3.38%
145	59,509	-2	0.00%	48,770	81.95%	59.28%	33.54%	2.98%	1.13%	0.15%	0.05%	0.38%	2.5%
146	59,511	0	0.00%	43,599	73.26%	48.97%	35.37%	8.16%	1.89%	0.21%	0.09%	0.41%	4.89%
147	59,511	0	0.00%	44,543	74.85%	52.53%	29.25%	7.75%	4.92%	0.19%	0.07%	0.46%	4.83%
148	59,593	82	0.14%	46,187	77.5%	57.79%	34.16%	3.66%	1.07%	0.1%	0.04%	0.35%	2.84%
149	59,595	84	0.14%	48,294	81.04%	68.39%	14.79%	7.14%	5.04%	0.11%	0.04%	0.54%	3.95%
150	60,003	492	0.83%	46,315	77.19%	55.16%	38.21%	2.52%	0.91%	0.19%	0.03%	0.23%	2.73%
151	58,926	-585	-0.98%	46,152	78.32%	49.28%	38.37%	7.45%	1.14%	0.22%	0.23%	0.25%	3.06%
152	59,511	0	0.00%	45,482	76.43%	68.73%	22.94%	3.11%	1.76%	0.19%	0.03%	0.27%	2.97%
153	58,998	-513	-0.86%	45,796	77.62%	31.31%	62.06%	2.79%	1.07%	0.13%	0.02%	0.25%	2.37%
154	58,998	-513	-0.86%	46,182	78.28%	30.27%	64.17%	2.68%	0.32%	0.15%	0.01%	0.22%	2.17%
155	59,639	128	0.22%	46,995	78.8%	57.21%	32.32%	7.32%	0.61%	0.18%	0%	0.2%	2.15%
156	59,163	-348	-0.58%	45,238	76.46%	63.63%	25.38%	7.48%	0.55%	0.14%	0.02%	0.28%	2.51%
157	59,971	460	0.77%	44,596	74.36%	59.25%	24.47%	11.32%	1.1%	0.19%	0.1%	0.29%	3.27%
158	60,024	513	0.86%	46,915	78.16%	58.01%	35.01%	3.63%	0.58%	0.2%	0.05%	0.25%	2.26%
159	59,374	-137	-0.23%	44,636	75.18%	66.79%	24.91%	3.46%	0.6%	0.27%	0.03%	0.31%	3.63%
160	59,127	-384	-0.65%	47,516	80.36%	66.56%	21.92%	5.53%	1.64%	0.24%	0.1%	0.29%	3.72%
161	59,542	31	0.05%	43,912	73.75%	59.78%	24.62%	7.69%	2.23%	0.22%	0.08%	0.52%	4.88%

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]
162	59,400	-111	-0.19%	46,399	78.11%	30.25%	50.77%	11.24%	3.94%	0.25%	0.12%	0.41%	3.02%
163	59,505	-6	-0.01%	48,273	81.12%	39.95%	44.12%	7.59%	3.82%	0.19%	0.17%	0.53%	3.63%
164	59,756	245	0.41%	45,544	76.22%	52.84%	26.36%	10.12%	4.62%	0.28%	0.13%	0.62%	5.03%
165	59,590	79	0.13%	47,573	79.83%	42.98%	44.08%	5.7%	2.82%	0.17%	0.22%	0.42%	3.61%
166	59,913	402	0.68%	47,251	78.87%	82.88%	4.93%	5.18%	2.56%	0.16%	0.05%	0.38%	3.85%
167	59,838	327	0.55%	45,680	76.34%	60.39%	24.39%	8.38%	1.39%	0.32%	0.22%	0.51%	4.4%
168	59,508	-3	-0.01%	44,490	74.76%	35.93%	43.53%	11.22%	2.01%	0.32%	0.68%	0.48%	5.82%
169	59,955	444	0.75%	45,452	75.81%	56.8%	27.22%	12.48%	0.58%	0.14%	0.03%	0.17%	2.58%
170	59,961	450	0.76%	45,226	75.43%	62.65%	23.85%	8.94%	1.04%	0.15%	0.03%	0.27%	3.07%
171	59,339	-172	-0.29%	45,756	77.11%	51.45%	39.13%	6.29%	0.58%	0.2%	0.03%	0.2%	2.11%
172	59,591	80	0.13%	44,559	74.77%	54.17%	26%	16.33%	0.77%	0.24%	0.02%	0.25%	2.23%
173	59,442	-69	-0.12%	45,211	76.06%	54.26%	34.16%	7.37%	0.8%	0.28%	0.03%	0.31%	2.8%
174	59,508	-3	-0.01%	44,000	73.94%	58.54%	28.12%	7.32%	1.23%	0.35%	0.12%	0.35%	3.98%
175	59,650	139	0.23%	45,012	75.46%	66.55%	22.53%	5.9%	1.2%	0.28%	0.04%	0.26%	3.24%
176	59,710	199	0.33%	45,869	76.82%	78.5%	11.29%	6.17%	0.35%	0.26%	0.03%	0.25%	3.15%
177	59,509	-2	0.00%	45,676	76.75%	34.14%	53.67%	6.59%	1.51%	0.18%	0.08%	0.43%	3.41%
178	59,747	236	0.40%	44,977	75.28%	74.03%	14.97%	7.38%	0.5%	0.16%	0.02%	0.27%	2.69%
179	59,910	399	0.67%	47,497	79.28%	62.36%	25.96%	6.92%	1.04%	0.16%	0.08%	0.37%	3.11%
180	59,228	-283	-0.48%	45,588	76.97%	65.13%	17.85%	9.32%	1.59%	0.34%	0.1%	0.56%	5.12%

Total: **10,711,908**
Ideal District: **59,511**

User: **H143**
Plan Name: **GHDC-HousePlan-2021**
Plan Type: **House**

Population Summary

Thursday, October 28, 2021 7:21 PM

Summary Statistics:

Population Range:	58,926 to 60,024
Ratio Range:	0.02
Absolute Range:	-585 to 513
Absolute Overall Range:	1,098
Relative Range:	-0.98% to 0.86%
Relative Overall Range:	1.85%
Absolute Mean Deviation:	208.13
Relative Mean Deviation:	0.35%
Standard Deviation:	271.45

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH18+_Wht]	[% NH18+_Blk]	[% H18+_Pop]	[% NH18+_Ind]	[% NH18+_Asn]	[% NH18+_Hwn]	[% NH18+_Oth]	[% NH18+_2 + Races]
001	59,039	-472	-0.79%	46,267	78.37%	90.27%	3.02%	2.01%	0.32%	0.51%	0.04%	0.25%	3.59%
002	59,503	-8	-0.01%	43,454	73.03%	69.6%	4.42%	13.5%	0.16%	8.21%	0.03%	0.42%	3.65%
003	59,512	1	0.00%	46,186	77.61%	88.43%	2.73%	2.96%	0.26%	1.57%	0.14%	0.14%	3.77%
004	59,358	-153	-0.26%	43,879	73.92%	55.92%	4.48%	35.31%	0.18%	1.73%	0.02%	0.22%	2.14%
005	59,001	-510	-0.86%	44,384	75.23%	74.7%	3.56%	16.74%	0.26%	1.16%	0.03%	0.23%	3.32%
006	59,576	65	0.11%	44,680	75%	74.83%	1.69%	19.96%	0.19%	0.71%	0.01%	0.19%	2.42%
007	59,081	-430	-0.72%	48,771	82.55%	90.15%	0.34%	5.53%	0.27%	0.46%	0.01%	0.21%	3.02%
008	59,872	361	0.61%	50,372	84.13%	91.7%	0.69%	3.79%	0.24%	0.49%	0%	0.23%	2.85%
009	59,528	17	0.03%	48,155	80.89%	88.48%	1.1%	5%	0.39%	0.89%	0.06%	0.32%	3.76%
010	59,531	20	0.03%	46,913	78.8%	82.28%	3.64%	8.63%	0.26%	1.48%	0.03%	0.29%	3.38%
011	59,511	0	0.00%	46,785	78.62%	90.43%	1.11%	3.97%	0.27%	0.56%	0.02%	0.18%	3.47%
012	59,580	69	0.12%	46,298	77.71%	86.6%	6.56%	2.73%	0.22%	0.5%	0.02%	0.16%	3.2%
013	59,511	0	0.00%	45,375	76.25%	63.06%	19.07%	12.44%	0.23%	1.9%	0.01%	0.38%	2.91%
014	59,659	148	0.25%	46,120	77.31%	83.54%	6.16%	5.47%	0.22%	0.81%	0.02%	0.32%	3.46%
015	59,511	0	0.00%	45,764	76.9%	71.95%	13.16%	9.64%	0.27%	1.22%	0.02%	0.32%	3.43%
016	59,758	247	0.42%	45,634	76.36%	76.87%	10.09%	9.12%	0.19%	0.59%	0.04%	0.27%	2.85%
017	59,511	0	0.00%	43,434	72.98%	69.86%	18.77%	6.13%	0.23%	0.92%	0.06%	0.48%	3.55%
018	59,766	255	0.43%	45,710	76.48%	80.06%	10.52%	5.31%	0.26%	0.63%	0.03%	0.25%	2.94%
019	59,652	141	0.24%	43,447	72.83%	64.02%	23.06%	6.84%	0.23%	1.85%	0.08%	0.52%	3.42%
020	59,333	-178	-0.30%	45,586	76.83%	71.85%	8.55%	12.07%	0.2%	2.63%	0.03%	0.57%	4.12%
021	59,513	2	0.00%	44,643	75.01%	76.13%	7.93%	8.92%	0.18%	2.45%	0.07%	0.61%	3.71%
022	59,527	16	0.03%	45,121	75.8%	84.67%	3.5%	6.26%	0.18%	1.49%	0.04%	0.42%	3.42%
023	59,347	-164	-0.28%	45,536	76.73%	76.72%	5.41%	13.15%	0.25%	0.95%	0.04%	0.28%	3.21%
024	59,176	-335	-0.56%	41,808	70.65%	72.7%	4.05%	7.43%	0.14%	12.17%	0.06%	0.55%	2.91%
025	59,721	210	0.35%	42,035	70.39%	55.67%	5.61%	7.79%	0.13%	27.55%	0.04%	0.49%	2.73%
026	59,538	27	0.05%	44,423	74.61%	75.17%	2.15%	8.1%	0.17%	11.19%	0.02%	0.34%	2.85%
027	59,512	1	0.00%	46,884	78.78%	81.12%	3.6%	10.64%	0.17%	0.97%	0.04%	0.26%	3.2%
028	59,491	-20	-0.03%	46,345	77.9%	83.11%	6.95%	5.06%	0.3%	1.29%	0.05%	0.2%	3.04%

Population Summary

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH18+ _Wht]	[% NH18+ _Blk]	[% H18+ _Pop]	[% NH18+ _Ind]	[% NH18+ _Asn]	[% NH18+ _Hwn]	[% NH18+ _Oth]	[% NH18+_2 + Races]
029	59,511	0	0.00%	43,681	73.4%	44.16%	11.72%	38.81%	0.13%	2.88%	0.06%	0.33%	1.9%
030	59,320	-191	-0.32%	44,425	74.89%	59.1%	7.22%	28.05%	0.2%	2.56%	0.03%	0.29%	2.54%
031	59,485	-26	-0.04%	43,764	73.57%	79.1%	6.17%	8.37%	0.21%	2.73%	0.04%	0.31%	3.07%
032	59,568	57	0.10%	46,697	78.39%	82.19%	10.56%	3.16%	0.17%	1.18%	0.01%	0.28%	2.46%
033	60,015	504	0.85%	46,386	77.29%	75.06%	14.77%	5.65%	0.17%	1.36%	0.02%	0.21%	2.76%
034	59,443	-68	-0.11%	47,097	79.23%	61.94%	18.87%	8.79%	0.16%	5.48%	0.03%	0.83%	3.89%
035	59,720	209	0.35%	45,660	76.46%	58.43%	21.37%	10.71%	0.22%	4.68%	0.04%	0.75%	3.8%
036	59,497	-14	-0.02%	44,534	74.85%	73.62%	13.12%	5.8%	0.08%	3.2%	0.03%	0.62%	3.53%
037	59,856	345	0.58%	47,990	80.18%	49.24%	24.89%	16.25%	0.2%	4.83%	0.04%	0.95%	3.61%
038	59,652	141	0.24%	45,482	76.25%	31.36%	49.97%	12.41%	0.22%	2.16%	0.06%	0.62%	3.19%
039	59,075	-436	-0.73%	44,135	74.71%	23.77%	51.74%	19.09%	0.18%	1.74%	0.03%	0.6%	2.84%
040	59,139	-372	-0.63%	49,622	83.91%	48.91%	29.03%	7.69%	0.18%	9.69%	0.02%	0.81%	3.67%
041	59,690	179	0.30%	44,440	74.45%	29.97%	35.47%	27.63%	0.19%	3.02%	0.03%	0.86%	2.82%
042	59,523	12	0.02%	47,716	80.16%	35.45%	31.79%	22.54%	0.21%	4.58%	0.06%	1.3%	4.08%
043	59,064	-447	-0.75%	45,439	76.93%	60.23%	14.25%	7.22%	0.18%	11.19%	0.04%	1.92%	4.98%
044	59,373	-138	-0.23%	46,067	77.59%	66.89%	11.57%	9.14%	0.18%	6.8%	0.03%	1.03%	4.36%
045	59,566	55	0.09%	44,209	74.22%	77.15%	4.66%	5.35%	0.08%	8.92%	0.02%	0.55%	3.25%
046	59,546	35	0.06%	44,947	75.48%	75.38%	6.54%	9.02%	0.13%	4.65%	0.04%	0.69%	3.56%
047	58,967	-544	-0.91%	43,110	73.11%	68.35%	8.23%	6.34%	0.14%	13.01%	0.02%	0.51%	3.41%
048	59,597	86	0.14%	46,049	77.27%	58.44%	13.05%	17.5%	0.09%	6.39%	0.05%	0.77%	3.72%
049	59,674	163	0.27%	45,390	76.06%	58.14%	9.46%	7.69%	0.14%	20.64%	0.04%	0.74%	3.15%
050	58,945	-566	-0.95%	43,572	73.92%	45.18%	10.42%	5.74%	0.07%	34.93%	0.05%	0.54%	3.08%
051	59,538	27	0.05%	48,052	80.71%	56.59%	20.91%	10.7%	0.13%	6.85%	0.04%	0.88%	3.89%
052	59,618	107	0.18%	48,196	80.84%	58.1%	14.9%	11.42%	0.12%	11.49%	0.05%	0.52%	3.39%
053	59,515	4	0.01%	44,376	74.56%	28.56%	56.15%	8.07%	0.16%	3.36%	0.05%	0.49%	3.15%
054	59,916	405	0.68%	52,449	87.54%	63.85%	16.84%	7.19%	0.16%	8.25%	0.02%	0.51%	3.18%
055	59,379	-132	-0.22%	46,916	79.01%	5.65%	88.48%	2.5%	0.16%	0.51%	0.01%	0.42%	2.28%
056	59,151	-360	-0.60%	52,459	88.69%	36.49%	44.84%	5.52%	0.19%	8.81%	0.09%	0.42%	3.64%
057	59,870	359	0.60%	51,891	86.67%	46.25%	36.64%	7.27%	0.1%	6.08%	0.02%	0.5%	3.14%
058	59,724	213	0.36%	51,871	86.85%	39.29%	45.94%	5.48%	0.19%	4.58%	0.03%	0.63%	3.85%
059	59,872	361	0.61%	47,237	78.9%	36.4%	47.2%	9.87%	0.2%	2.55%	0.06%	0.42%	3.31%
060	59,485	-26	-0.04%	44,361	74.58%	9.91%	72.34%	12.77%	0.25%	1.96%	0.03%	0.49%	2.26%
061	59,865	354	0.59%	45,682	76.31%	16.23%	70.63%	8.78%	0.2%	1.05%	0.05%	0.48%	2.57%
062	59,599	88	0.15%	44,935	75.4%	35.82%	50.75%	8.29%	0.23%	1.26%	0.03%	0.53%	3.08%
063	59,936	425	0.71%	46,251	77.17%	13.18%	77.82%	4.28%	0.21%	1.43%	0.05%	0.6%	2.43%
064	60,007	496	0.83%	44,827	74.7%	5.98%	85.99%	4.23%	0.09%	0.64%	0.04%	0.66%	2.37%
065	59,415	-96	-0.16%	44,449	74.81%	12.71%	76.16%	7.08%	0.19%	0.84%	0.02%	0.53%	2.46%
066	59,054	-457	-0.77%	43,879	74.3%	34.45%	50.84%	8.38%	0.26%	1.88%	0.09%	0.67%	3.42%
067	59,367	-144	-0.24%	44,550	75.04%	67.52%	20.36%	6.28%	0.29%	1.16%	0.05%	0.62%	3.71%
068	59,140	-371	-0.62%	44,313	74.93%	69.88%	18.42%	6.12%	0.24%	1.01%	0.02%	0.43%	3.88%
069	59,651	140	0.24%	46,047	77.19%	68.5%	21.6%	4.88%	0.18%	1.62%	0.05%	0.22%	2.94%
070	59,322	-189	-0.32%	45,268	76.31%	74.14%	15.25%	5.49%	0.28%	1.32%	0.04%	0.31%	3.16%
071	59,203	-308	-0.52%	45,550	76.94%	67.58%	15.24%	7.75%	0.15%	5.44%	0.06%	0.43%	3.35%

Population Summary

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH18+ _Wht]	[% NH18+ _Blk]	[% H18+ _Pop]	[% NH18+ _Ind]	[% NH18+ _Asn]	[% NH18+ _Hwn]	[% NH18+ _Oth]	[% NH18+_2 + Races]
072	59,975	464	0.78%	45,925	76.57%	69.68%	14.59%	6.73%	0.13%	4.8%	0.03%	0.56%	3.47%
073	59,455	-56	-0.09%	44,961	75.62%	60.06%	28.72%	5.58%	0.21%	1.85%	0.02%	0.45%	3.12%
074	59,453	-58	-0.10%	44,149	74.26%	8.6%	67.27%	13.89%	0.21%	7.71%	0.05%	0.43%	1.85%
075	59,873	362	0.61%	44,777	74.79%	13.51%	68.66%	9.8%	0.16%	4.56%	0.05%	0.54%	2.72%
076	59,544	33	0.06%	45,413	76.27%	14.89%	68.23%	8.37%	0.16%	5.09%	0.06%	0.56%	2.64%
077	59,646	135	0.23%	43,403	72.77%	7.34%	70.79%	14.91%	0.21%	3.84%	0.03%	0.64%	2.24%
078	59,789	278	0.47%	45,365	75.88%	27.41%	53.83%	8.61%	0.21%	6.32%	0.08%	0.62%	2.93%
079	59,508	-3	-0.01%	45,458	76.39%	52.89%	13.91%	12.87%	0.05%	16.46%	0.05%	0.69%	3.09%
080	59,157	-354	-0.59%	47,688	80.61%	61.45%	12.27%	14.75%	0.1%	7.89%	0.03%	0.56%	2.94%
081	59,884	373	0.63%	45,348	75.73%	39.11%	11.03%	34.92%	0.18%	11.81%	0.02%	0.54%	2.39%
082	59,699	188	0.32%	48,887	81.89%	48.51%	19.9%	18.28%	0.1%	9.58%	0.03%	0.54%	3.07%
083	59,624	113	0.19%	46,307	77.67%	39.35%	50.06%	4.05%	0.16%	2.79%	0.04%	0.42%	3.15%
084	59,343	-168	-0.28%	47,225	79.58%	32.38%	55.53%	3.55%	0.16%	4.6%	0.03%	0.6%	3.16%
085	59,792	281	0.47%	46,309	77.45%	26.79%	52.2%	4.56%	0.16%	12.3%	0.03%	0.57%	3.4%
086	59,633	122	0.21%	45,637	76.53%	28.13%	54.04%	6.37%	0.17%	7.9%	0.01%	0.56%	2.81%
087	59,801	290	0.49%	46,173	77.21%	18.48%	62.94%	7.5%	0.23%	7.32%	0.02%	0.58%	2.94%
088	59,512	1	0.00%	46,477	78.1%	18.41%	64.16%	10.39%	0.23%	3.13%	0.06%	0.64%	3%
089	59,007	-504	-0.85%	47,155	79.91%	33.5%	56.13%	4.66%	0.11%	1.87%	0.03%	0.54%	3.15%
090	59,411	-100	-0.17%	46,508	78.28%	20.67%	71.27%	3.39%	0.12%	1.13%	0.01%	0.51%	2.89%
091	59,019	-492	-0.83%	45,395	76.92%	20.19%	69.66%	4.75%	0.16%	1.61%	0.07%	0.57%	2.99%
092	59,597	86	0.14%	44,307	74.34%	13.4%	73.3%	9.01%	0.17%	0.87%	0.05%	0.48%	2.73%
093	59,455	-56	-0.09%	44,281	74.48%	14.5%	70.94%	8.09%	0.19%	2.41%	0.02%	0.65%	3.2%
094	59,305	-206	-0.35%	44,803	75.55%	20.58%	62.36%	7.62%	0.18%	5.44%	0.03%	0.61%	3.17%
095	59,763	252	0.42%	46,128	77.18%	43.66%	21.88%	17.58%	0.17%	12.84%	0.03%	0.59%	3.25%
096	59,534	23	0.04%	45,289	76.07%	22.29%	21.59%	31.91%	0.12%	20.97%	0.05%	0.59%	2.48%
097	59,294	-217	-0.36%	42,583	71.82%	54.36%	9.79%	10.13%	0.12%	22.19%	0.04%	0.41%	2.96%
098	59,512	1	0.00%	42,682	71.72%	48.4%	25.81%	15.17%	0.13%	6.7%	0.02%	0.63%	3.15%
099	59,736	225	0.38%	42,537	71.21%	11.65%	20.9%	52.86%	0.12%	12.2%	0.05%	0.52%	1.7%
100	59,526	15	0.03%	44,064	74.02%	14.44%	28.71%	38.92%	0.17%	14.76%	0.03%	0.54%	2.41%
101	59,281	-230	-0.39%	45,347	76.49%	30.71%	23.41%	23.61%	0.18%	18.74%	0.05%	0.59%	2.71%
102	58,952	-559	-0.94%	44,877	76.12%	38.88%	26.9%	19.97%	0.13%	10.8%	0.03%	0.5%	2.79%
103	59,308	-203	-0.34%	43,664	73.62%	61.27%	12.33%	15.13%	0.2%	7.88%	0.03%	0.42%	2.74%
104	59,524	13	0.02%	43,661	73.35%	55.67%	17.81%	11.52%	0.12%	11.33%	0.03%	0.46%	3.06%
105	59,511	0	0.00%	43,243	72.66%	32.08%	40.23%	15.92%	0.14%	7.6%	0.05%	0.59%	3.38%
106	59,532	21	0.04%	44,091	74.06%	39.62%	37.21%	10.44%	0.19%	8.42%	0.03%	0.78%	3.32%
107	58,947	-564	-0.95%	43,486	73.77%	30.5%	25.05%	22.62%	0.16%	18.66%	0.05%	0.53%	2.42%
108	59,405	-106	-0.18%	44,311	74.59%	38.42%	18.55%	19.94%	0.18%	19.63%	0.05%	0.53%	2.7%
109	59,486	-25	-0.04%	44,473	74.76%	40.42%	45.79%	6.39%	0.19%	2.91%	0.06%	0.7%	3.53%
110	59,069	-442	-0.74%	44,030	74.54%	66.78%	24.36%	4.55%	0.18%	0.71%	0.02%	0.42%	2.99%
111	59,765	254	0.43%	44,383	74.26%	35.3%	50.16%	7.16%	0.18%	3.39%	0.06%	0.66%	3.09%
112	58,991	-520	-0.87%	43,954	74.51%	78.96%	12.48%	3.25%	0.15%	2.42%	0%	0.3%	2.45%
113	59,201	-310	-0.52%	43,906	74.16%	24.93%	63.6%	6.04%	0.22%	1.23%	0.12%	0.75%	3.11%
114	59,513	2	0.00%	43,502	73.1%	55.05%	29.35%	9.05%	0.21%	2.43%	0.06%	0.73%	3.11%

Population Summary

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH18+ _Wht]	[% NH18+ _Blk]	[% H18+ _Pop]	[% NH18+ _Ind]	[% NH18+ _Asn]	[% NH18+ _Hwn]	[% NH18+ _Oth]	[% NH18+_2 + Races]
115	59,062	-449	-0.75%	44,162	74.77%	70.23%	18.24%	5.84%	0.23%	1.9%	0.02%	0.51%	3.02%
116	59,943	432	0.73%	45,302	75.58%	70.42%	11.75%	10%	0.13%	3.99%	0.02%	0.41%	3.29%
117	59,574	63	0.11%	49,997	83.92%	68.2%	13.77%	7.65%	0.22%	6.39%	0.03%	0.5%	3.24%
118	59,844	333	0.56%	48,350	80.79%	53.73%	28.04%	11.81%	0.25%	2.51%	0.07%	0.8%	2.8%
119	59,891	380	0.64%	45,332	75.69%	21.21%	64.25%	8.06%	0.2%	2.88%	0.03%	0.75%	2.61%
120	59,733	222	0.37%	47,997	80.35%	67.43%	21.8%	5.62%	0.19%	1.53%	0.01%	0.45%	2.96%
121	59,591	80	0.13%	45,496	76.35%	67.17%	23.84%	4.13%	0.31%	0.99%	0.07%	0.29%	3.22%
122	59,518	7	0.01%	43,184	72.56%	69.34%	13.98%	5.26%	0.17%	6.6%	0.09%	0.56%	4.01%
123	59,698	187	0.31%	46,931	78.61%	67.97%	17.93%	4.99%	0.19%	4.47%	0.17%	0.42%	3.85%
124	59,863	352	0.59%	47,628	79.56%	38.16%	51.23%	4.34%	0.2%	2.43%	0.12%	0.43%	3.09%
125	59,863	352	0.59%	44,610	74.52%	27.67%	64.11%	3.77%	0.24%	0.93%	0.14%	0.32%	2.82%
126	59,913	402	0.68%	45,800	76.44%	40.66%	49.49%	4.6%	0.34%	1.35%	0.23%	0.3%	3.02%
127	59,769	258	0.43%	45,675	76.42%	41.4%	39.51%	10.13%	0.28%	3.62%	0.24%	0.4%	4.43%
128	59,683	172	0.29%	47,025	78.79%	41.49%	54.52%	1.67%	0.18%	0.4%	0%	0.12%	1.62%
129	59,049	-462	-0.78%	45,727	77.44%	70.57%	19.92%	4.79%	0.17%	0.94%	0.01%	0.35%	3.25%
130	59,518	7	0.01%	45,447	76.36%	55.76%	35.46%	4.39%	0.21%	1.04%	0.04%	0.33%	2.76%
131	59,321	-190	-0.32%	46,120	77.75%	71.79%	22.78%	1.87%	0.17%	0.56%	0%	0.25%	2.58%
132	59,066	-445	-0.75%	44,684	75.65%	67.03%	23.26%	5.02%	0.26%	1.21%	0.04%	0.3%	2.88%
133	59,704	193	0.32%	45,813	76.73%	63.62%	28.19%	3.13%	0.19%	1.97%	0.05%	0.3%	2.55%
134	59,263	-248	-0.42%	45,749	77.2%	67.69%	17.12%	6.42%	0.28%	3.78%	0.24%	0.48%	3.99%
135	59,511	0	0.00%	44,554	74.87%	32.01%	54.44%	8.02%	0.23%	1.16%	0.2%	0.49%	3.46%
136	59,805	294	0.49%	45,173	75.53%	34.2%	51.62%	6.44%	0.26%	3.4%	0.27%	0.39%	3.42%
137	59,758	247	0.42%	46,253	77.4%	41.81%	49.07%	4.52%	0.17%	1.33%	0.18%	0.27%	2.65%
138	59,005	-506	-0.85%	44,980	76.23%	40.44%	14.35%	9.19%	0.14%	32.23%	0.06%	0.54%	3.06%
139	59,040	-471	-0.79%	46,978	79.57%	38.82%	54.06%	4.05%	0.15%	1.22%	0.02%	0.16%	1.54%
140	59,386	-125	-0.21%	46,873	78.93%	64.52%	28.65%	3.16%	0.22%	0.57%	0.01%	0.27%	2.59%
141	59,321	-190	-0.32%	46,459	78.32%	67.33%	24.04%	2.79%	0.2%	3.24%	0.01%	0.24%	2.16%
142	59,511	0	0.00%	44,230	74.32%	30.28%	62.25%	3.56%	0.2%	1.37%	0.02%	0.3%	2.03%
143	59,559	48	0.08%	46,340	77.81%	33.81%	57.63%	4.19%	0.16%	1.23%	0.05%	0.33%	2.6%
144	59,288	-223	-0.37%	46,102	77.76%	59.72%	29.45%	5.97%	0.26%	1.64%	0.06%	0.31%	2.6%
145	59,509	-2	0.00%	48,770	81.95%	62.13%	31.67%	2.63%	0.15%	1.11%	0.04%	0.34%	1.93%
146	59,511	0	0.00%	43,599	73.26%	52.18%	34.09%	7.01%	0.23%	2.17%	0.09%	0.36%	3.87%
147	59,511	0	0.00%	44,543	74.85%	55.65%	28.35%	6.71%	0.21%	5.03%	0.07%	0.35%	3.64%
148	59,593	82	0.14%	46,187	77.5%	60.19%	32.96%	3.04%	0.12%	1.09%	0.04%	0.28%	2.28%
149	59,595	84	0.14%	48,294	81.04%	68.06%	15.93%	6.62%	0.12%	5.35%	0.05%	0.53%	3.35%
150	60,003	492	0.83%	46,315	77.19%	57.65%	36.58%	2.15%	0.2%	0.94%	0.04%	0.2%	2.23%
151	58,926	-585	-0.98%	46,152	78.32%	51.32%	37.08%	7.18%	0.24%	1.27%	0.18%	0.19%	2.54%
152	59,511	0	0.00%	45,482	76.43%	70.61%	22.22%	2.65%	0.21%	1.69%	0.04%	0.19%	2.39%
153	58,998	-513	-0.86%	45,796	77.62%	34.93%	59.06%	2.44%	0.15%	1.18%	0.02%	0.23%	1.98%
154	58,998	-513	-0.86%	46,182	78.28%	32.61%	62.7%	2.17%	0.18%	0.33%	0.02%	0.15%	1.84%
155	59,639	128	0.22%	46,995	78.8%	58.54%	31.56%	7.31%	0.16%	0.64%	0%	0.16%	1.63%
156	59,163	-348	-0.58%	45,238	76.46%	66.34%	24.5%	6.33%	0.13%	0.56%	0.03%	0.16%	1.95%
157	59,971	460	0.77%	44,596	74.36%	62.21%	24.54%	9.16%	0.21%	1.09%	0.07%	0.25%	2.48%

Population Summary

District	Population	Deviation	% Devn.	[18+_Pop]	[% 18+_Pop]	[% NH18+ _Wht]	[% NH18+ _Blk]	[% H18+ _Pop]	[% NH18+ _Ind]	[% NH18+ _Asn]	[% NH18+ _Hwn]	[% NH18+ _Oth]	[% NH18+_2 + Races]
158	60,024	513	0.86%	46,915	78.16%	60.34%	33.87%	2.95%	0.2%	0.58%	0.04%	0.19%	1.84%
159	59,374	-137	-0.23%	44,636	75.18%	68.84%	24.31%	2.72%	0.3%	0.63%	0.04%	0.22%	2.95%
160	59,127	-384	-0.65%	47,516	80.36%	68.25%	21.28%	5.07%	0.24%	1.66%	0.09%	0.28%	3.12%
161	59,542	31	0.05%	43,912	73.75%	62.37%	24.04%	6.59%	0.24%	2.34%	0.09%	0.5%	3.83%
162	59,400	-111	-0.19%	46,399	78.11%	33.92%	48.36%	9.92%	0.27%	4.52%	0.11%	0.38%	2.52%
163	59,505	-6	-0.01%	48,273	81.12%	43.74%	41.16%	7.01%	0.19%	4.12%	0.16%	0.46%	3.16%
164	59,756	245	0.41%	45,544	76.22%	55.78%	25.53%	8.81%	0.3%	4.8%	0.13%	0.52%	4.13%
165	59,590	79	0.13%	47,573	79.83%	46.78%	41.3%	5.1%	0.19%	3.06%	0.2%	0.37%	3%
166	59,913	402	0.68%	47,251	78.87%	84.84%	4.96%	4.02%	0.19%	2.6%	0.06%	0.33%	3%
167	59,838	327	0.55%	45,680	76.34%	63.16%	23.96%	7.13%	0.33%	1.44%	0.19%	0.4%	3.38%
168	59,508	-3	-0.01%	44,490	74.76%	39.01%	42.46%	10.32%	0.34%	2.34%	0.65%	0.38%	4.5%
169	59,955	444	0.75%	45,452	75.81%	59.35%	27.6%	10.08%	0.16%	0.62%	0.04%	0.13%	2.02%
170	59,961	450	0.76%	45,226	75.43%	65.73%	22.94%	7.31%	0.15%	1.07%	0.02%	0.24%	2.53%
171	59,339	-172	-0.29%	45,756	77.11%	54.05%	38.06%	5.12%	0.23%	0.62%	0.03%	0.16%	1.73%
172	59,591	80	0.13%	44,559	74.77%	58.09%	25.07%	13.69%	0.27%	0.74%	0.02%	0.24%	1.89%
173	59,442	-69	-0.12%	45,211	76.06%	57.5%	33.02%	5.65%	0.31%	0.86%	0.02%	0.25%	2.39%
174	59,508	-3	-0.01%	44,000	73.94%	61.73%	26.99%	6.23%	0.37%	1.31%	0.13%	0.24%	2.99%
175	59,650	139	0.23%	45,012	75.46%	68.71%	22.06%	4.86%	0.32%	1.26%	0.03%	0.22%	2.56%
176	59,710	199	0.33%	45,869	76.82%	79.9%	11.59%	5.06%	0.28%	0.38%	0.03%	0.18%	2.57%
177	59,509	-2	0.00%	45,676	76.75%	38.03%	50.68%	6%	0.21%	1.57%	0.09%	0.37%	3.06%
178	59,747	236	0.40%	44,977	75.28%	76.94%	14.18%	5.93%	0.18%	0.55%	0.02%	0.18%	2.02%
179	59,910	399	0.67%	47,497	79.28%	66.56%	23.58%	5.73%	0.17%	1.04%	0.06%	0.33%	2.53%
180	59,228	-283	-0.48%	45,588	76.97%	66.73%	17.37%	9.45%	0.33%	1.7%	0.1%	0.47%	3.85%

Total: **10,711,908**
Ideal District: **59,511**

Expert Report of Blakeman B. Esselstyn

I. INTRODUCTION

A. Qualifications

1. My name is Blakeman B. Esselstyn. I am the founder and principal of a consultancy called Mapfigure Consulting, which provides expert services in the areas of redistricting, demographics, and geographic information systems (GIS). For more specific information about the qualifications and credentials in the paragraphs below, please see my Curriculum Vitae, provided as **Attachment A**.

2. On February 8th and 9th of 2022, in the preliminary injunction proceedings related to this matter, I served as a testifying expert. I was accepted by the Court as an expert in redistricting, demographics, and census data, and my expert testimony was credited by the Court.

3. I have previously served as a consulting expert in four other redistricting cases, and as a testifying expert in three cases related to other topics.

4. I have developed 16 redistricting plans that have been enacted for use in elections by jurisdictions at various levels of government.

5. I earned a bachelor's degree in Geology & Geophysics and International Studies from Yale University and a master's degree in Computer and Information Technology from the University of Pennsylvania. I have professional certifications both as a Geographic Information Systems Professional (GISP) and as a member of the American Institute of Certified Planners (AICP).

Exhibit
0004

6. I have taught graduate-level semester courses in Geographic Information Systems (GIS) and have presented on redistricting at conferences at Harvard University, Duke University, the University of North Carolina at Chapel Hill, the University of Texas, and several other universities. I have also presented at national events organized by the National Conference of State Legislatures (NCSL), the Urban and Regional Information Systems Association (URISA), and the American Planning Association (APA).

7. In addition to speaking engagements, my work and opinions related to redistricting have often been cited in media outlets, and some of my related writings have been published or cited in national publications. Again, for details, please see **Attachment A**.

8. I am being compensated at a rate of $325 per hour. No part of my compensation is dependent upon the conclusions that I reach or the opinions that I offer.

B. About this report

9. Plaintiffs' counsel has asked me to determine whether there are areas in the State of Georgia where the Black population is "sufficiently large and geographically compact"[1] to enable the creation of additional majority-Black legislative districts relative to the number of such districts provided in the enacted State Senate and State House of Representatives redistricting plans from 2021.

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

10. The Georgia General Assembly has two chambers, each with distinct redistricting plans that I will consider individually. Following a demographic overview of the state that will be relevant for both chambers, the report will provide separate sections addressing each chamber's districts: first the State Senate, then the House of Representatives. For each chamber, I will briefly review the enacted plan, present an alternative illustrative plan, and supply some analysis of selected characteristics of the plans.

11. Unless otherwise specified, all map images in the report are ones that I created (though they may be maps showing redistricting plans I did not create).[2]

12. More detailed information about the sources of data, the software, and my methodology can be found in **Attachment B**.

C. Summary of conclusions

13. It is possible to create three additional majority-Black districts in the State Senate plan and five additional majority-Black districts in the State House plan in accordance with traditional redistricting principles.

[2] Some maps deliberately do not show the State of Georgia in its entirety, as districts in large areas of the northern and southern parts of the state are unchanged in the illustrative plans. Focusing in on affected portions of the State's geography allows for more clarity and higher level of detail in the map figures.

II. Statewide Demographic Overview

A. Georgia and the 2020 Census

14. Georgia's population increased by more than one million people between the 2010 and 2020 censuses, from 9,687,653 to 10,711,908—an increase of approximately 10.6%.[3]

15. According to the 2020 census, 33.0% of Georgia's population (essentially one-third) identified as "Black or African American alone or in combination."[4] The 2010–2020 population increase in this group outpaced the growth in the state as a whole, increasing by approximately 15.8%.

16. By contrast, the state's population identifying as White and neither Hispanic nor multi-racial *decreased* by 1.0% between 2010 and 2020. This non-Hispanic White population still constitutes a majority of the state population, but only barely, at 50.1%. In 2010, this group constituted 55.9% of Georgia's population.

17. The *voting age* population identifying as Black increased 21.8% from 2010 to 2020. In 2020 this group (sometimes abbreviated as BVAP for the Black voting age population) made up 31.7% of the voting age population, an increase from 29.7% in

[3] All demographic analysis is based on statistics obtained from the U.S. Census Bureau website, https://www.census.gov. For URLs of specific census resources used, please consult Attachment B.

[4] The Census Bureau classification "Black or African American alone or in combination," sometimes stated as "any part Black," will be the measure of the Black population that I use most frequently in this report. Unless otherwise stated, in the text that follows, "Black" can be taken to indicate "alone or in combination." This measure includes Black residents who also identify as Hispanic. It is my understanding that the "alone or in combination" designation is the appropriate measure for most Voting Rights Act Section 2 considerations.

2010. The non-Hispanic single-race White proportion of the voting age population, however, decreased from 59.0% in 2010 to 52.8% in 2020.

B. Geographic distribution of the Black population

18. Just about half of Georgia's Black population lives in six of the state's 159 counties, all of which are in the Metro Atlanta region. These six counties are, in order of decreasing Black population, Fulton, DeKalb, Gwinnett, Cobb, Clayton, and Henry.

19. The counties in Georgia where the percentage of Black residents generally tends to be highest can be grouped into two main categories: the aforementioned Metro Atlanta region and the so-called "Black Belt" of Georgia. Though some accounts say the origin of the term "Black Belt" in the American South stems from descriptions of the soil, modern classifications of which counties are in this region can hinge on the percentage of the population that is Black.[5] In Georgia, this belt of counties, most of which are rural, constitutes a wide band from the southwest corner of the state to the central part of the South Carolina border near Augusta-Richmond County. See Figure 1.

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[5] See, e.g., *Southeastern Geographer* article at https://www.jstor.org/stable/26225503.

Figure 1: Statewide map showing percentages of Black population across counties.

20. For a table showing demographic statistics from the 2020 census for Georgia's counties, please see **Attachment C**.

III. Georgia State Senate redistricting plan

A. Review of enacted State Senate plan

21. On December 30th, 2021, Georgia Governor Brian Kemp signed new State Senate districts into law. With districts for 56 senators in this enacted plan, each district

is designed to have a population near 191,284, or one-fifty-sixth of Georgia's total population. See Figure 2.

Figure 2: Map of all districts in enacted State Senate plan.

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22. Of the 56 districts in the enacted plan, 14 are majority-Black.[6] Ten of those are in the Metro Atlanta area and four are in the Black Belt. These districts are highlighted in Figure 3 below.

Figure 3: Map indicating majority-Black districts in enacted State Senate plan.

23. For more maps and statistics related to the enacted State Senate districts, please see **Attachment D**.

[6] Per convention in Section 2 cases, "majority-Black" is taken to indicate that the district's *voting age* population that identifies as Black (alone or in combination) constitutes more than 50% of the district's voting age population.

B. Illustrative State Senate plan

24. The illustrative State Senate plan, like the enacted plan, has 56 districts, all designed to have populations near 191,284.

25. The illustrative plans for the State Senate and House discussed in this report have both been modified slightly from the versions provided as part of the PI proceedings. With the availability of additional data (e.g., incumbent addresses) and information gleaned during the PI proceedings, I sought to improve the plans' performance on multiple criteria. During both the earlier process of creating the PI illustrative plans and the process of revising those plans to create the plans described in this report, I was constantly balancing a number of considerations, and there was no one dominant factor or metric. More details about differences between the newer versions of the illustrative plans and the PI versions are provided in the "Comparative characteristics" sections below.

26. One of the guiding principles in the creation of both the State Senate and House illustrative plans was to minimize changes to the enacted plan while adhering to other neutral criteria. Modifying one district necessarily requires changes to districts adjacent to the original modification, and harmonizing those changes with traditional redistricting criteria (such as population equality and intactness of counties) often inescapably results in cascading changes to other surrounding districts. Notably, most of the enacted plans' districts remain intact in my illustrative plans. In the illustrative State Senate plan, just 22 of the districts were modified, leaving the other 34 unchanged.

27. The illustrative plan includes three additional majority-Black State Senate districts compared to the enacted plan, for a total of 17. Specifically, Senate Districts 23, 25, and 28 are not majority-Black in the enacted plan but are majority-Black in the illustrative plan. See Figure 4 and Table 1.

Figure 4: Map of majority-Black districts in the illustrative State Senate plan.

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Table 1: Illustrative Senate plan majority-Black districts with BVAP percentages.

District	BVAP%	District	BVAP%	District	BVAP%
10	61.10%	26	52.84%	39	60.21%
12	57.97%	28	57.28%	41	62.61%
15	54.00%	34	58.97%	43	58.52%
22	50.84%	35	54.05%	44	71.52%
23	51.06%	36	51.34%	55	65.97%
25	58.93%	38	66.36%		

28. The enacted plans have fewer majority-Black districts than the illustrative plans because, in part, more Black voters were heavily concentrated into certain Metro Atlanta districts in the enacted plans.

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29. The additional majority-Black State Senate district in the eastern Black Belt area (District 23) includes all of Burke, Glascock, Hancock, Jefferson, Screven, Taliaferro, Warren, and Washington Counties and parts of Baldwin, Greene, McDuffie, Augusta-Richmond, and Wilkes Counties. See Figure 5.[7]

Figure 5: Map of eastern Black Belt region of illustrative plan with majority-Black State Senate districts indicated.

[7] Additionally, in the illustrative plan, Macon-Bibb County is no longer divided; the majority-Black District 26 includes all of Macon-Bibb County in a single district (as well as a part of Houston County). The intactness of Macon-Bibb County is in keeping with recommendations made during public comment at the hearing held in Macon, Georgia on July 29th, 2021. Two witnesses at the hearing—including Cathy Cox, the former Georgia Secretary of State and then Dean of Mercer University School of Law—spoke about Macon-Bibb County as a community that should be considered as a unit and kept whole. See https://www.youtube.com/watch?v=lYkQpSFVerY (video at 1:36:52 and 1:37:46). Written statements submitted online also supported keeping Macon-Bibb County intact. See, e.g., comments of S. Doonan (July 26th, 2021), C. Hargrove (July 30th, 2021), and A. Bailey (December 1st, 2021) at https://www.legis.ga.gov/joint-office/reapportionment/public-comments.

30. The additional majority-Black State Senate district in the southeastern Metro Atlanta area (District 25) is composed of portions of Clayton and Henry Counties. See Figure 6.

Figure 6: Map of eastern Metro Atlanta area of illustrative plan with majority-Black State Senate districts indicated.

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31. The additional majority-Black State Senate district in the southwestern Metro Atlanta area (District 28) is composed of portions of Clayton, Coweta, Fayette, and Fulton Counties. See Figure 7.[8]

Figure 7: Map of western Metro Atlanta area of illustrative plan with majority-Black State Senate districts indicated.

32. For more demographic statistics related to the illustrative State Senate districts, please see **Attachment E**.

[8] Incidentally, the illustrative map also includes all of Douglas County in one majority-Black State Senate district, rather than dividing it between two districts as it is in the enacted plan.

C. Comparative characteristics

33. In undertaking the creation of a new redistricting plan for the State Senate, the Senate Reapportionment Committee adopted the "2021-2022 Senate Reapportionment Committee Guidelines," a full copy of which is appended to this report as **Attachment F**. Within this document is a section called "GENERAL PRINCIPLES FOR DRAFTING PLANS," which contains a list of principles. The illustrative plan was drawn to comply with and balance these principles.

34. The guidelines provide that "[e]ach legislative district of the General Assembly should be drawn to achieve a total population that is substantially equal as practicable, considering the principles listed below." Noting that adherence to other principles can be in tension with population equality, both the enacted plan and the illustrative plan get substantially closer to population equality than the permissible threshold of ±5%. In both plans, most district populations are within ±1% of the ideal, and a small minority are within between ± 1 and 2%. None has a deviation of more than 2%. For the enacted plan, the relative average deviation is 0.53%, and for the illustrative plan the relative average deviation is 0.67%.

35. The guidelines additionally provide that "[d]istricts shall be composed of contiguous geography." The illustrative plan districts meet this contiguity requirement in the same manner as the enacted plan.

36. The guidelines further provide that "[c]ompactness" "should [be] consider[ed]." Numerous measures exist for quantifying compactness of districts, and a selection of some of the most commonly used measures in redistricting are shown in

Table 2 below—both for the enacted plan and the illustrative plan. One can see that the average compactness measures for the plans are almost identical. An explanation of the five compactness metrics is provided as **Attachment G**.[9]

Table 2: Compactness measures for enacted and illustrative State Senate plans.

	Reock (average)	Schwartzberg (average)	Polsby-Popper (average)	Area/Convex Hull (average)	Number of Cut Edges
Enacted	0.42	1.75	0.29	0.76	11,005
Illustrative	0.41	1.76	0.28	0.75	11,003

37. Figure 8 below shows how the three additional majority-Black districts in the illustrative State Senate plan all fall within the range of compactness scores of districts in the enacted plan. The gray lines represent the compactness scores of each of the enacted districts, in sorted order. The purple, orange, and green lines represent the scores of illustrative Districts 23, 25, and 28, respectively. The heights of the lines represent the score (marked on the axis on the left), and the location of the line indicates the position within the sorted order between maximum compactness (left side) and minimum compactness (right side). For all four measures, the scores of the three additional majority-Black districts in the illustrative plan are comparable to those of enacted districts and indicate greater compactness than the least compact districts in the enacted plan. See Table 3 for the specific related numeric scores.

[9] A simplified summary of how to interpret the measures follows: the Reock, Polsby-Popper, and Area/Convex Hull measures all provide scores between zero and one, with scores closer to one (i.e., *higher* values) indicating more compactness; the Schwartzberg measure provides scores greater than or equal to one, and scores closer to one (i.e., *lower* values) indicate more compactness; and for the Number of Cut Edges, which is only meaningful for comparing entire plans—not individual districts—a lower score indicates more compactness.

Figure 8: Sorted compactness measures for all enacted plan districts and additional majority-Black districts in the illustrative State Senate plan.

Table 3: Summary compactness scores for enacted State Senate districts and compactness scores for illustrative State Senate districts.

	Measures of Compactness			
	Reock	Schwartzberg	Polsby-Popper	Area/ Convex Hull
Enacted plan least compact score	0.17	2.67	0.13	0.50
Enacted plan median score	0.415	1.725	0.28	0.755
Illustrative District 23 score	0.34	1.93	0.17	0.69
Illustrative District 25 score	0.57	1.55	0.34	0.80
Illustrative District 28 score	0.38	2.17	0.19	0.66

38. Illustrative State Senate District 23 offers an interesting example of how different compactness measures weight boundary features in different ways. In Figure 8 above, one can see that illustrative State Senate District 23 scores very close to the

"bottom" (i.e., least compact) value in the range for the Polsby-Popper measure, but not for the other three measures. The Polsby-Popper measure, which considers a district's perimeter in its formula, heavily penalizes a district if it has a wiggly border, even if the district's overall shape isn't stringy or convoluted. Figure 9 below shows two sections of illustrative District 23's outline where it is simply following county boundaries, and those county boundaries happen to be serpentine in shape. As is often the case, the county boundaries follow significant rivers (the Oconee and Savannah), which are widely considered to be intuitive features to use as the division between districts or other administrative areas.

Figure 9: Detail of selected Illustrative State Senate District 23 boundaries.

39. The guidelines also provide that "[t]he boundaries of counties and precincts" "should [be] consider[ed]." In redistricting in the United States, consideration of such boundaries is generally taken to mean that counties and precincts should be kept intact to the extent possible (i.e., not split among multiple districts). While the Reapportionment Committee's language regarding this guideline is not explicit, Table 4: below provides numbers of counties and VTDs (the Census "Voting District" used by redistricting software as a proxy for precincts) split in both the enacted and illustrative State Senate plans.

Table 4: Political subdivision splits for enacted and illustrative State Senate plans.

	Intact Counties	Split Counties	Split VTDs
Enacted	130	29	47
Illustrative	125	34	49

40. While the creation of three additional majority-Black State Senate districts involved the division of additional counties and VTDs, the differences are marginal.[10] Figure 10 below shows which counties those VTD splits are in in the illustrative State Senate plan. All of the VTDs spilt in the illustrative State Senate plan are confined to just 18 of the State's 159 counties.

[10] The number of county splits in the State Senate illustrative plan (34) is lower than the number of such splits in the State Senate plan adopted in 2014 (38), which was used in elections from 2014 through 2020. See https://www.legis.ga.gov/api/document/docs/default-source/reapportionment-document-library/senate14-county.pdf?sfvrsn=e8061e5c_2 and https://www.legis.ga.gov/api/document/docs/default-source/reapportionment-document-library/counties-by-house-districts.pdf?sfvrsn=b7c39a42_2.

Figure 10: VTD splits in illustrative State Senate plan by county.

41. The guidelines further call for consideration of "[c]ommunities of interest." Communities of interest can be larger than a county or smaller than a college campus, and individuals may have different opinions about their exact geographic extents. In identifying such communities, I generally referred to recognizable entities visible in the *Maptitude for Redistricting* software interface, such as municipalities and landmark areas, as well as areas and communities I've heard described by Georgians, either in personal conversations or in statements made in public hearings. When making changes to districts for my PI illustrative plan, I did strive to keep communities of interest intact as much as possible while also honoring the other guidelines. In that plan, however, I inadvertently divided the two campuses of Georgia College (they are both in Milledgeville, but about a mile apart). The revised district lines for the illustrative plan submitted with this report not only keep both campuses in the same State Senate district, but they also do a better job of keeping central Milledgeville in a single district.

42. The final specified guideline is that "[e]fforts should be made to avoid the unnecessary pairing of incumbents." Based on my analysis of the residential addresses of the recently elected State Senators (provided by counsel), the illustrative plan would not pair any incumbent Senators in the same district. The avoidance of any incumbent pairing represents an improvement over the PI illustrative plan, which paired two incumbents according to a declaration from John Morgan provided as part of the PI proceedings.[11]

43. For more detailed statistics and reports on the above characteristics, please see **Attachment H**.

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[11] See Declaration of John B. Morgan, January 18, 2022, p. 8.

IV. Georgia House redistricting plan

A. Review of enacted House plan

44. On December 30th, 2021, Governor Kemp signed new House of Representatives districts into law. With districts for 180 Representatives in this enacted plan, each district is designed to have a population near 59,511, or one-one-hundred-eightieth of Georgia's total population. See Figure 11.

Figure 11: Map of all districts in enacted House plan.

45. Of the 180 districts in the enacted plan, 49 are majority-Black. Thirty-four of those are in the Metro Atlanta area, 13 are in the Black Belt, and two small districts are

within Chatham (anchored in Savannah) and Lowndes Counties (anchored in Valdosta) in the southeastern part of the state. These districts are highlighted in Figure 12 below.

Figure 12: Map indicating majority-Black districts in enacted House plan.

46. For more maps and statistics related to the enacted House districts, please see **Attachment I**.

B. Illustrative House plan

47. The illustrative House plan, like the enacted plan, has 180 districts, all with populations near 59,511. As with the illustrative State Senate plan, one of the guiding principles was to minimize changes to the enacted plan while adhering to the range of

other neutral criteria. In fact, just 25 of the districts were modified, leaving the other 155 unchanged. The PI version of the illustrative plan, by contrast, modified 26 districts.

48. The illustrative plan includes five additional majority-Black House districts compared to the enacted plan, for a total of 54. Specifically, House Districts 64, 74, 117, 145, and 149 are not majority-Black in the enacted plan but are majority-Black in the illustrative plan. See Figure 13 and Table 5.

Figure 13: Map of majority-Black districts in the illustrative House plan.

Table 5: Illustrative House plan majority-Black districts with BVAP percentages.

District	BVAP%	District	BVAP%	District	BVAP%	District	BVAP%
38	54.23%	69	62.73%	91	60.01%	137	52.13%
39	55.29%	74	53.94%	92	68.79%	140	57.63%
55	55.38%	75	66.89%	93	65.36%	141	57.46%
58	63.04%	76	67.23%	94	69.04%	142	50.14%
59	70.09%	77	76.13%	95	67.15%	143	50.64%
60	63.88%	78	51.03%	113	59.53%	145	50.38%
61	53.49%	79	71.59%	115	53.77%	149	51.53%
62	72.26%	84	73.66%	116	51.95%	150	53.56%
63	69.33%	85	62.71%	117	51.56%	153	67.95%
64	50.24%	86	75.05%	126	54.47%	154	54.82%
65	63.34%	87	73.08%	128	50.41%	165	50.33%
66	53.88%	88	63.35%	129	54.87%	177	53.88%
67	58.92%	89	62.54%	130	59.91%		
68	55.75%	90	58.49%	132	52.34%		

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49. The additional majority-Black House district in the western Metro Atlanta area (District 64) is composed of portions of Douglas, Fulton, and Paulding Counties. See Figure 14.

Figure 14: Map of western Metro Atlanta area of illustrative plan with majority-Black House districts indicated.

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50. The additional majority-Black House districts in the southern Metro Atlanta area (Districts 74 and 117) are built from portions of Clayton, Fayette, and Henry Counties. See Figure 15.

Figure 15: Map of southern Metro Atlanta area of illustrative plan with majority-Black House districts indicated.

51. The two additional majority-Black House districts in the central Black Belt area (Districts 145 and 149) are built from portions of Baldwin, Macon-Bibb, and Houston Counties, as well as all of Twiggs and Wilkinson Counties. The adjacent Twiggs and Wilkinson Counties, included in their entirety in District 149, have been identified

by General Assembly staff as "constitut[ing] a single community of interest."[12] The illustrative plan, like the enacted plan, divides Macon-Bibb County into four districts, two of which (Districts 142 and 143) are wholly contained in Macon-Bibb County, and two of which (Districts 145 and 149 in the illustrative plan) extend outside the county as well. The orientation of Districts 142 and 143 also ensures that the northern portions of Macon-Bibb County stay in a Macon-Bibb County district with portions of Macon, rather than being put in a district with a more rural neighboring county like Monroe; this type of arrangement was specifically recommended during public comment at a Joint Reapportionment Committee hearing.[13] See Figure 16.

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[12] Specifically, Gina Wright, Executive Director of the General Assembly's Legislative and Congressional Reapportionment Office, included this statement in her declaration filed before the Court's PI hearing. See Declaration of Gina Wright, February 4th, 2022, p. 9.

[13] See, e.g., comment at Georgia General Assembly Joint Reapportionment Committee hearing held in Macon, Georgia on July 29th, 2021, https://www.youtube.com/watch?v=lYkQpSFVerY (video at 33:42).

Figure 16: Map of central Black Belt region of illustrative plan with majority-Black House districts indicated.

52. District 149 generally follows the orientation of the Georgia Fall Line geological feature, which brings with it shared economic, historic, and ecological similarities.[14] Macon and Milledgeville, parts of which are in illustrative House District 149, are both characterized as "Fall Line Cities,"[15] and were identified in public comment

[14] See, e.g., https://www.georgiaencyclopedia.org/articles/geography-environment/fall-line/ and http://southres.com/uptowncolumbusdams/thefallline.php.

[15] See "Fall Line Cities" map at https://www.gpb.org/blogs/education-matters/2017/02/06/new-virtual-field-trip-physical-features-of-georgia and the southres.com article in the preceding footnote.

before the General Assembly's Joint Reapportionment Committee as two cities that should be kept in the same district.[16]

53. For more demographic statistics related to the illustrative House districts, please see **Attachment J**.

C. Comparative characteristics

54. In undertaking the creation of a new redistricting plan for the House, the House Reapportionment Committee adopted the "2021-2022 House Reapportionment Committee Guidelines," a full copy of which is appended to this report as **Attachment K**. Within this document is a section called "GENERAL PRINCIPLES FOR DRAFTING PLANS," which contains a list of principles. The illustrative plan was drawn to comply with and balance these principles. As with the Senate Committee's principles discussed above, five of the principles can be quantitatively analyzed to help illustrate adherence.

55. The guidelines provide that "[e]ach legislative district of the General Assembly should be drawn to achieve a total population that is substantially equal as practicable, considering the principles listed below." As with the Senate plan, both the enacted plan and the illustrative plan get substantially closer to population equality than the permissible threshold of ±5%. In both plans, most district populations are within ±1% of the ideal, and a small minority are within between ± 1 and 2%. None has a deviation of more than 2%. For the enacted plan, the relative average deviation is 0.61%, and for the illustrative plan the relative average deviation is 0.64%.

[16] See, e.g., comment from Georgia General Assembly Joint Reapportionment Committee hearing on June 15th, 2021 at https://www.youtube.com/watch?v=sewqUNTIUxA (video at 49:15).

56. The guidelines additionally provide that "[d]istricts shall be composed of contiguous geography." The illustrative plan districts meet this contiguity requirement in the same manner as the enacted plan.

57. The guidelines further provide that "[c]ompactness" "should [be] consider[ed]." A selection of some of the most commonly used measures of compactness are shown in Table 6 below—both for the enacted plan and the illustrative plan. One can see that the average compactness measures for the plans are almost identical, if not identical.

Table 6: Compactness measures for enacted and illustrative House plans.

	Reock (average)	Schwartzberg (average)	Polsby-Popper (average)	Area/Convex Hull (average)	Number of Cut Edges
Enacted	0.39	1.80	0.28	0.72	22,020
Illustrative	0.39	1.81	0.28	0.72	22,359

58. Figure 17 below shows how the five additional majority-Black districts in the illustrative House plan all fall within the range of compactness scores of districts in the enacted plan. The gray lines represent the compactness scores of each of the enacted districts, in sorted order. The purple, orange, green, pink, and blue lines represent the scores of illustrative House Districts 64, 74, 117, 145, and 149, respectively. The heights of the lines represent the score (marked on the axis on the left), and the location of the line indicates the position within the sorted order between maximum compactness (left side) and minimum compactness (right side). For all four measures, the scores of the five additional majority-Black districts in the illustrative plan are comparable to those of

enacted districts and indicate greater compactness than the least compact district in the enacted plan. See Table 7 for the specific related numeric scores.

Figure 17: Sorted compactness measures for all enacted plan districts and additional majority-Black districts in the illustrative House plan.

Table 7: Summary compactness scores for enacted House districts and compactness scores for illustrative House districts.

	Measures of Compactness			
	Reock	Schwartzberg	Polsby-Popper	Area/ Convex Hull
Enacted plan least compact score	0.12	2.98	0.10	0.46
Enacted plan median score	0.40	1.765	0.26	0.72
Illustrative District 64 score	0.22	2.05	0.22	0.59
Illustrative District 74 score	0.30	1.98	0.19	0.61
Illustrative District 117 score	0.40	1.62	0.33	0.76
Illustrative District 145 score	0.34	1.63	0.21	0.76
Illustrative District 149 score	0.46	1.48	0.28	0.83

59. The guidelines further provide that "[t]he boundaries of counties and precincts" "should [be] consider[ed]." Table 8 below shows that the numbers of counties and VTDs (akin to precincts) split in the enacted and illustrative House plans are nearly equal. This version of the illustrative House plan splits six fewer VTDs than the PI version. Figure 18 below shows which counties those VTD splits are in. Just 45 of the State's 159 counties account for all of the splits.

Table 8: Political subdivision splits for enacted and illustrative House plans.

	Intact Counties	Split Counties	Split VTDs
Enacted	90	69	185
Illustrative	89	70	186

Figure 18: VTD splits in illustrative State House plan by county.

60. The guidelines next call for consideration of "[c]ommunities of interest." My approach to preserving the intactness of communities of interest in the illustrative House map was similar to the one described in the State Senate "Comparative characteristics" section above. As with the comparable State Senate illustrative map, I

had inadvertently divided the two campuses of Georgia College in the initial illustrative House plan provided during the PI proceeding. The newer House illustrative plan rectifies that community split, and also keeps the central community of Milledgeville more intact. Additionally, as mentioned in the previous section, the district boundaries keep together communities in the Macon-Bibb County area as well as in the central Black Belt region.

61. The final specified guideline is that "[e]fforts should be made to avoid the unnecessary pairing of incumbents." Based on analysis of the residential addresses of the recently elected State Representatives (provided by counsel), the illustrative plan would evidently pair a total of eight incumbents in the same districts.[17] This is the same number of incumbent pairings reported for the enacted plan in the declaration from John Morgan, provided as part of the PI proceedings.[18] Further it represents a significant improvement over the PI illustrative plan (created without knowledge of incumbent addresses), which paired 16 incumbents, according to the same declaration.[19]

62. For more detailed statistics and reports on the above characteristics, please see **Attachment L**.

V. Conclusion

63. This report has demonstrated that it is possible to create three additional majority-Black districts in the Georgia State Senate plan and five additional majority-

[17] Namely Mike Glanton and Kimberly R. New in District 61, El-Mahdi Holly and Regina Lewis-Ward in District 115, Miriam Paris and Dale Washburn in District 142, and Shaw Blackmon and Robert Dickey in District 144.

[18] See Declaration of John B. Morgan, January 18th, 2022, p. 9.

[19] Id.

Black districts in the Georgia House of Representatives plan in accordance with traditional redistricting principles.

64. I reserve the right to supplement this report in consideration of additional facts, testimony, or materials that may come to light.

Executed on December 5th, 2022.

Blakeman B. Esselstyn

Esselstyn Report: Attachment A

December 2022

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EDUCATION

- University of Pennsylvania, School of Engineering and Applied Science, Master of Computer and Information Technology, 2003; GPA 4.0
- Yale University, Geology & Geophysics and International Studies, Bachelor of Arts, 1996

PROFESSIONAL CERTIFICATIONS

- Geographic Information Systems Professional (GISP), #6946, 2009
- American Institute of Certified Planners (AICP), #026364, 2013

EMPLOYMENT (Teaching positions listed separately)

- Redistricting Consultant, dba Mapfigure Consulting (and as Blake Esselstyn), Asheville, NC, 2016-present (and in the Netherlands starting late 2022)
- Principal Consultant, FrontWater, LLC, Asheville, NC, 2015-present
- Urban Planner III – GIS Specialist, City of Asheville Department of Planning and Urban Design, Asheville, NC, 2008-2015
- Urban Planner II, City of Asheville Planning Department, Asheville, NC, 2004-2008
- Independent GIS Consultant, Freelance, Asheville, NC, 2003-2004
- GIS Programmer, Azavea, Inc., Philadelphia, PA, 2002
- Web Support Fellow, University of Pennsylvania, Philadelphia, PA, 2002
- GIS Analyst, Applied Geographics, Inc., Boston, MA, 2001
- GIS Intern, Community and Environmental Spatial Analysis Center, Seattle, WA, 2000
- GIS Analyst, Applied Geographics, Inc., Boston, MA, 2000
- Mapping Technician, Schlosser Geographic Systems, Seattle, WA, 1997
- Digital Mapping Resources Consultant, Social Science Statistical Laboratory at Yale University, New Haven, CT, 1997
- Special Assistant to the CityRoom Coordinator, Neighborhood Partnerships Network, New Haven, CT, 1996-1997

- Lab Monitor, Center for Earth Observation at Yale University, New Haven, CT, 1995

TEACHING EMPLOYMENT

- Adjunct Faculty, Lenoir-Rhyne University, Asheville, NC, 2019
  Taught full-semester graduate-level Geographic Information Systems (GIS) course
- Adjunct Faculty, Western Carolina University, Asheville, NC, 2017
  Taught full-semester graduate-level GIS course
- GIS Course Assistant, University of Pennsylvania, Philadelphia, PA, 2002-2003
  Served as teaching assistant for two undergraduate GIS semester courses
- Teacher, Equity American School, Guatemala City, Guatemala, 1998-1999
  Led mathematics department for grades 7-12; taught one technology course
- Teacher, International School of Panama, Panama City, Republic of Panama, 1997-1998
  Taught computer programming and mathematics to secondary school students

LITIGATION EXPERIENCE (As GIS and/or redistricting expert)

- Testifying expert for plaintiffs, in *Grant v. Raffensperger*, U.S District Court for the Northern District of Georgia, 2022
- Consulting expert for plaintiffs, in *League of United Latin American Citizens v. Abbott*, U.S District Court for the Western District of Texas, 2022
- Consulting expert for plaintiffs, in *Rivera v. Schwab*, Wyandotte County (KS) District Court, 2022
- Consulting expert for plaintiffs, in *Harper v. Lewis*, Wake County (NC) Superior Court, 2019
- Consulting expert for plaintiffs, in *Common Cause v. Lewis*, Wake County (NC) Superior Court, 2019
- Preparation of redistricting map exhibits used in *Vesilind v. Virginia State Board of Elections*, Richmond (VA) Circuit Court, 2017
- Expert witness analysis, deposition, and testimony for City of Asheville, in *Jensen v. City of Asheville*, Buncombe County (NC) Superior Court, 2009-2010
- Expert witness analysis and testimony for City of Asheville, in *Hall v. City of Asheville*, Buncombe County (NC) Superior Court, 2007
- Expert witness analysis and testimony for City of Asheville, in *Arnold v. City of Asheville*, Buncombe County (NC) Superior Court, 2005

PUBLIC REDISTRICTING PROJECT EXPERIENCE

- Design and completion of adopted electoral redistricting plans for Wake County (NC) Board of Education, 2021-2022
- Design and completion of adopted electoral redistricting plans for Mecklenburg County (NC) Board of Commissioners, 2021
- Design and completion of adopted electoral redistricting plans for Craven County (NC) Board of Commissioners, 2021
- Design and completion of adopted electoral redistricting plans for City of Fayetteville (NC) City Council, 2021
- Design and completion of adopted electoral redistricting plans for City of Greenville (NC) City Council, 2021
- Design and completion of adopted electoral redistricting plans for Town of Cary (NC) Town Council, 2021
- Design and completion of adopted electoral redistricting plans for City of Hickory (NC) City Council, 2021
- Design and completion of adopted electoral redistricting plans for Town of Mooresville (NC) Board of Commissioners, 2021
- Design and completion of adopted electoral redistricting plans for City of Clinton (NC) City Council, 2021
- Design and completion of adopted electoral redistricting plans for Siler City (NC) Board of Commissioners, 2021
- Design and completion of adopted electoral redistricting plans for Town of Tarboro (NC) Town Council, 2021
- Design and completion of adopted electoral redistricting plans for Durham Public Schools (NC) Board of Education, 2021
- Design and completion of adopted electoral redistricting plans for Pitt County (NC) Board of Education, 2021
- Design and completion of adopted electoral redistricting plans for Union County (NC) Board of Education, 2021
- Design and completion of adopted electoral redistricting plans for Edgecombe County (NC) Board of Education, 2021
- Design and completion of adopted electoral redistricting plans (in advance of Census data delivery) for Town of Cary (NC) Town Council, 2021
- Lead presenter, Lenoir-Rhyne University Hands-on Redistricting Workshop, Virtual, 2021
- Software operator and presenter, National Conference of State Legislatures Redistricting Seminar: Redistricting Simulation, Columbus, OH, 2019

- Software operator and presenter, National Conference of State Legislatures Redistricting Seminar: Redistricting Simulation, Providence, RI, 2019
- Hands-on GIS software workshop session leader, Metric Geometry of Gerrymandering Group (MGGG) Conference at the University of Texas, Austin, TX, 2018
- Co-leader of redistricting hackathon, Metric Geometry of Gerrymandering Group (MGGG) Conference at Duke University, Durham, NC, 2017
- Preparation of simulated redistricting plans for Democracy North Carolina's Districting Voter Education Forum, Asheville, NC, 2017
- Hands-on GIS software workshop session assistant, Metric Geometry of Gerrymandering Group (MGGG) Conference at Tufts University, Medford, MA, 2017
- Redistricting software operator (converting retired jurists' instructions into maps), Duke University and Common Cause NC independent redistricting commission simulation, Raleigh, NC *and* Winston-Salem, NC, 2016

SPEAKER OR PANELIST

- "Political Reapportionment: Drawing Boundaries with QGIS," FOSS4G (Free and Open Source Software for Geospatial) Conference, Florence, Italy, 2022
- "Just Maps: How Gerrymandering Imperils the Right to Vote," Osher Lifelong Learning Institute at the University of North Carolina Asheville, virtual, 2022
- "How to Be a Redistricting Watchdog," Duke University's Redistricting and American Democracy Conference, Durham, NC, 2021
- "North Carolina Redistricting with Geographers: Local Knowledge & Community Considerations," American Association of Geographers (AAG) Redistricting Panel Series, Virtual, 2021
- "The Basics of Redistricting for Local Governments," NC Council of School Attorneys Summer Law Conference, Virtual, 2021
- "Census Timing and Redistricting," UNC School of Government: Municipal Attorneys' Winter Conference, Virtual, 2021
- "Census Delays and Redistricting," North Carolina League of Municipalities Online Meeting, Virtual, 2021
- "Redistricting: Ten Big Changes that GIS People Should Know About for 2021," North Carolina GIS Conference, Virtual, 2021
- "Demographics, the Census, and a Bit about Redistricting," UNC School of Government: County Attorneys Conference, Virtual, 2021
- "NC Redistricting Updates for the GIS Community," Mountain Region GIS Alliance, Virtual, 2021

- "The Census and Demographics," UNC School of Government: Redistricting for Local Governments Conference, Virtual, 2021
- "The Mechanics of Redistricting," UNC School of Government: Redistricting for Local Governments Conference, Virtual, 2021
- "Ask the Experts Panel," National Conference of State Legislatures (NCSL) Redistricting Seminar, Virtual, 2021
- "GIS and the Data Handoff," National Conference of State Legislatures (NCSL) Redistricting Seminar, Virtual, 2021
- "Electoral Redistricting for School Boards after the 2020 Census," North Carolina School Boards Association 2020 Annual Conference, Virtual, 2020
- "Redistricting Software 2021: The Next Generation of Tools Could Open New Doors," Urban and Regional Information Systems Association (URISA) GIS-Pro Conference, Virtual, 2020
- "Changing Demographics, Drawing Districts, and County Impacts," North Carolina Association of County Commissioners 113th Annual Conference, Virtual, 2020
- "QGIS and democracy: Redistricting and reapportionment with QGIS," QGIS North America Conference, Virtual, 2020
- "Does Your Vote Count?: The Impact of Gerrymandering," virtual panel hosted by League of Women Voters Asheville Buncombe, NC, 2020
- [Scheduled, but cancelled due to COVID-19] "Redistricting with QGIS," Free and Open Source Software for Geospatial Conference, Calgary, Alberta, Canada, 2020
- [Scheduled, but cancelled due to COVID-19] Teaching Faculty (session title to be determined), National Conference of State Legislatures Redistricting Seminar, Las Vegas, NV, 2020
- [Scheduled, but cancelled due to COVID-19] "Census Geography, Precision, & Privacy," Census Symposium, University of North Carolina Asheville, NC, 2020
- "The State of Redistricting Software and Data Resources for 2020," Quantitative Investigations of Gerrymandering and Redistricting Conference, Duke University, Durham, NC, 2020
- "School Board Elections," 53rd School Attorneys' Conference, UNC School of Government, Chapel Hill, NC, 2020
- "Methods and Techniques in Redistricting," Harvard Geography of Redistricting Conference, Cambridge, MA, 2019
- "Redistricting Software: A new generation of geospatial tools," North Carolina GIS Conference, Winston-Salem, NC, 2019
- "The Latest Mapping Technology," Reason, Reform & Redistricting Conference, Duke University, Durham, NC, 2019

- "Redistricting—What Happens Now?" Voter Education Panel hosted by League of Women Voters (and others), Hendersonville, NC, 2019
- "What are all These Districts? How did We Get Here, and Redistricting Reform," Grassroots Democracy: A Nonpartisan Voter Education Series, Leicester, NC, 2019
- "Re-GIS-tricting? A new generation of redistricting geo-tools," Mountain Region GIS Alliance, Asheville, NC, 2019
- "Representing (mis)representation," Tapestry Data Storytelling Conference, University of Miami, Miami, FL, 2018
- "A Redistricting Tour," Democracy in our Hands Conference, Asheville, NC, 2018
- "Dis-tricks: GIS and Public Understanding of Redistricting," NC ArcGIS Users Group, Asheville, NC, 2018
- "Visual Explanations of Gerrymandering," Highlands Indivisible, Highlands, NC, 2018
- "Dave's Redistricting App," Metric Geometry of Gerrymandering Workshop, University of Texas, Austin, TX, 2018
- "Districting Voter Education Forum," Democracy North Carolina, Asheville, NC, 2017
- "When GIS leads planners astray," American Planning Association National Conference, New York, NY, 2017
- "Conveying Uncertainty with GIS," Azavea, Philadelphia, PA, 2017
- "GISkepticism," Appalachian State University, Boone, NC, 2017
- "When GIS leads planners astray," North Carolina Planning Conference, American Planning Association North Carolina Chapter, Asheville, NC, 2016
- "What if the 'S' in GIS stood for Skepticism?" Mountain Region GIS Alliance, Asheville, NC, 2015
- "Open Data? Show Me the Money!" North Carolina GIS Conference, Raleigh, NC, 2015

TEACHING AS SINGLE-CLASS GUEST SPEAKER (On redistricting and/or GIS)

- Lenoir-Rhyne University, Public Policy Course (speaking on redistricting and representation), 2021
- Lenoir-Rhyne University, Geographic Information Systems Course (speaking on GIS), 2021
- University of North Carolina Asheville, Mathematics: Voting Theory Course (speaking on redistricting), 2020
- Metric Geometry and Gerrymandering Group Redistricting Lab (Tufts University + MIT), Geodata Bootcamp Mapmaking Session (speaking on redistricting software), 2020

- [Scheduled, but cancelled due to COVID-19] Duke University, Law School: Election Law Course (leading hands-on redistricting simulation exercise), April 2020
- Duke University, Data Science Capstone Seminar (speaking on data science professional/career advice), 2020
- University of North Carolina Asheville, Political Science: Census Course (speaking on redistricting), 2020
- Lenoir-Rhyne University, Public Policy Course (speaking on redistricting), 2019
- Western Carolina University, Geographic Information Systems Course (speaking on GIS), 2019
- Duke University, Democracy Lab Seminar (speaking on redistricting software tools), 2018
- University of North Carolina Asheville, Political Science: US Elections Course (speaking on redistricting), 2018
- University of North Carolina Asheville, Mathematics: Voting Theory Course (speaking on redistricting), 2018
- Lenoir-Rhyne University, Sustainability Management & Decision-Making Course (speaking on GIS/location intelligence), 2018
- Yale University, School of Organization and Management: Business Information Course (speaking on Maptitude—one class + multiple labs), 1997

MEDIA APPEARANCES, OP-EDS, AND CITATIONS

- "Gerrymandered or no? How will courts judge new North Carolina political maps?" *Raleigh News & Observer*, February 8, 2022
- "Monster: Math, maps and power in North Carolina," special podcast series from *Raleigh News & Observer*, September 24, 2021
- "Census data has arrived. What comes next?" *Chatham News + Record*, September 1, 2021
- "An Explainer for Redistricting Criteria, Part 1: Political Boundaries," *John Locke Foundation*, August 23, 2021
- "Special report: Demystifying the redistricting process," *NC Policy Watch*, August 20, 2021
- "Raleigh, Cary and other NC cities may have to push back their 2021 elections," *Raleigh News & Observer*, February 24, 2021
- "Triad Cities Awaiting Census Data May Delay Elections," WFDD Radio, February 17, 2021
- Live interview, WPTF Radio Afternoon News, February 15, 2021
- "Census Delays Could Delay Charlotte City Council, CMS Fall Elections," WFAE Radio, January 28, 2021

- "What do Buncombe's new district lines mean for 2020 commissioner elections?" (map citation), *Asheville Citizen-Times*, November 21, 2019
- "Confused about new legislative districts? This 'map geek' can help," *NC Policy Watch*, November 21, 2019
- "Which district are you in? After gerrymandering fight, Asheville, Buncombe get final state districts," *Asheville Citizen-Times*, November 4, 2019
- "Suggestions for a fair redistricting process," *Princeton Election Consortium*, September 16, 2019
- "How will Asheville, Buncombe County be affected by gerrymandering decision?" *Asheville Citizen-Times*, September 6, 2019
- "2019 Districting," JMPRO TV's *The Weekly Update*, September 1, 2019
- "As redistricting battle continues in NC, League of Women Voters holds panel," *WLOS-TV*, August 11, 2019
- "With No Supreme Court End to Gerrymandering, Will States Make It More Extreme?" (citation/link of blog article), *New York Times*, June 28, 2019
- "The Supreme Court takes on gerrymandering. A cottage industry wants to prove it's gone too far," *USA Today*, March 26, 2019
- "Gerrymandering: 'Packing' and 'Cracking,' the meat and potatoes of partisan redistricting," *USA Today*, March 25, 2019
- "NC gerrymandering: Turner, McGrady lead reform effort on redistricting," *Asheville Citizen-Times*, February 14, 2019
- "Looking for a Way Forward on Redistricting Reform," *Duke Today*, January 28, 2019
- "Will Asheville try to stop the state from splitting it into districts?" (map citation), *Asheville Citizen-Times*, January 23, 2019
- "Some takeaways from NC's elections," WRAL.com, Nov 7, 2018
- "New Asheville districts are racial gerrymandering, black council members say" *Asheville Citizen-Times*, July 2, 2018
- "Legislature sets up districts for Asheville council, eliminates primaries" (map citation), *Asheville Citizen-Times*, June 27, 2018
- "Van Duyn to back Asheville council districts bill if Senate shifts election dates" (map citation), *Asheville Citizen-Times*, June 21, 2018
- "I Ran the Worst 5K of My Life So I Could Explain Gerrymandering to You," *POLITICO Magazine*, November 15, 2017
- "Event to cover Nov. vote on City Council districts," *Asheville Citizen-Times*, October 17, 2017

- "Republicans silent in wake of court order to draw new maps in one month," *NC Policy Watch*, August 2, 2017
- "Who makes the grade? This week's editorial report card," *Asheville Citizen-Times*, June 2, 2017
- "Asheville grows; Charlotte, Raleigh and their suburbs grow faster," *Asheville Citizen-Times*, May 29, 2017
- "Boundary issues: Where does Asheville end?" (op-ed), *Mountain Xpress*, April 29, 2016
- "For better or worse, Asheville growth inevitable," *Asheville Citizen-Times*, November 21, 2015
- "St. Lawrence Green no litmus test for voters" (op-ed), *Mountain Xpress*, October 29, 2015

PUBLISHED WORK

- "Redistricting Software Applications, Data, and Related Tools," supplement to *Redistricting: A Guide for the GIS Community*, Urban and Regional Information Systems Association, 2021
- (Co-authored with Mark Salling, PhD, GISP) "GIS Software Functionality for Redistricting," *The GIS Professional*, Issue 301, Urban and Regional Information Systems Association, May/June 2021
- (Co-authored with Joan Gardner, Suzanne Rotwein, and Tong Zhang) "Integrating GIS and Social Marketing at HCFA," *ESRI Map Book*, Volume 16, ESRI Press, 2001

SELF-PUBLISHED PUBLIC-FACING EXPLANATORY WRITING & MAPS

- (Co-authored with Christopher Cooper, Gregory Herschlag, Jonathan Mattingly, Rebecca Tippett) "NC General Assembly County Clusterings from the 2020 Census," *Quantifying Gerrymandering* Blog, August 17, 2021
- (Co-authored with Christopher Cooper, Gregory Herschlag, Jonathan Mattingly, Rebecca Tippett) "Legislative County Clustering in North Carolina—Looking towards the 2020 Census," *Quantifying Gerrymandering* Blog, July 16, 2021
- Created the blogs at districks.com (2017) and mapfigure.com (2020) — the story maps "A 'Stephenson' explainer" and "Could COVID repercussions delay NC elections in 2021 & 2022?" have each been viewed more than 2,000 times.

REDISTRICTING AND GIS SOFTWARE EXPERIENCE

- MapInfo (first used 1996)
- Maptitude (first used 1997)
- Esri ArcGIS/ArcInfo/ArcView (first used 2000)

- QGIS (first used 2015)
- Maptitude for Redistricting (first used 2016)
- Dave's Redistricting App (first used 2016)
- DistrictBuilder (first used 2017)
- Esri Redistricting (first used 2018)
- Districtr (first used 2019)
- Statto Software Redistricter (first used 2019)
- ArcBridge DISTRICTSolv (first used 2020)

SELECTED AWARDS (As team member)

- G. Herbert Stout Award for Visionary use of GIS by Local Government, 2009
- International Economic Development Council, Excellence in New Media Initiatives, 2008
- Marvin Collins Outstanding Planning Award for Innovations in Planning Services, Education, and Public Involvement, 2007

SERVICE AS ELECTION OFFICIAL

- Poll worker for multiple elections in Buncombe County, North Carolina (2012, 2020, 2022) and King County, Washington (2000), including as Chief Precinct Judge in 2020 general election and 2022 primary election

SERVICE ON BOARDS AND COMMISSIONS

- Asheville City Council Appointee to Comprehensive Plan Advisory Committee, 2016-2018

ADDITIONAL TRAINING

- Introduction to GIS for Equity and Social Justice, Urban and Regional Information Systems Association Certified Workshop, Virtual, 2020
- Public Data, Public Access, Privacy, and Security: U.S. Law and Policy, Urban and Regional Information Systems Association Certified Workshop, Raleigh, NC, 2015
- An Overview of Open Source GIS Software, Urban and Regional Information Systems Association Certified Workshop, Portland, OR, 2012

- An Introduction to Public Participation GIS: Using GIS to Support Community Decision Making, Urban and Regional Information Systems Association Certified Workshop, Orlando, FL, 2010
- 3-D Geospatial Best Practices and Project Implementation Methods, Urban and Regional Information Systems Association Certified Workshop, Vancouver, BC (Canada), 2006

MEMBERSHIPS

- Urban and Regional Information Systems Association (URISA)
- Mountain Region GIS Alliance (MRGAC)
- American Planning Association (APA)

Esselstyn Report: Attachment B

Data sources, software, and methodology

1. I arrived at the findings in the expert report using data from the United States Census Bureau's website (https://www.census.gov). This federal agency produces a) geographic files—e.g., county boundaries and block boundaries, b) tables of the block-level demographic information yielded specifically for redistricting (sometimes referred to as the PL 94-171 data) from the decennial census counts, c) "block assignment files," which are important for linking geography data to other data, and d) other interactive web-based resources. Representative links for these four categories of data are provided below:

a) https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.2020.html

b) https://data.census.gov/cedsci/all?q=&y=2020&d=DEC%20Redistricting%20Data%20%28PL%2094-171%29

c) https://www.census.gov/geographies/reference-files/time-series/geo/block-assignment-files.html

d) https://www.census.gov/library/stories/state-by-state/georgia-population-change-between-census-decade.html

2. Another key source of information for the analysis was the Georgia General Assembly's Legislative and Congressional Reapportionment Office webpage, available at https://www.legis.ga.gov/joint-office/reapportionment. This webpage provided links to representations of the enacted State Senate and State House plans, as well as statistical summaries for the plans and copies of the Reapportionment Committee Guidelines for each chamber.

3. The list of residential addresses of elected Georgia General Assembly legislators was provided to me by counsel. To associate those addresses with coordinates on a map, I used the *Google Maps Platform's Geocoding API*.

4. The primary software application I used in the analysis of maps and the creation of the illustrative plans is *Maptitude for Redistricting*, produced by the Caliper Corporation. This specialized geographic information system (GIS) software allows for the importing, interconnecting, and synthesis of the multiple Census Bureau data files listed above. It allows for an existing plan to be imported (like the enacted plans from the Georgia General Assembly), then modified, or plans can be created starting from a blank template. The application generates not only the aggregated statistics for each of the created districts, but also can supply reports on overall characteristics of the plan like average district compactness and population deviation. *Maptitude for Redistricting* is widely used by state and local governments for redistricting and is in fact used by the Georgia General Assembly.

5. For the production of the visual figures in the report, I used two other pieces of software. For the maps, I used a separate open-source GIS software tool called *QGIS*. *QGIS* enabled me to take geographic files exported from *Maptitude for Redistricting* and create high-resolution graphics for insertion into the document with myriad options for customization of visual elements. For the graphs and charts, I used *Microsoft Excel*.

Esselstyn Report: Attachment C

Georgia county demographic statistics from 2020 census data, generated by Blake Esselstyn

County	Total population	% single race White	% single race Black	% single race American Indian and Alaska Native	% single race Asian	% single race Hawaiian or Pacific Islander	% other single race	% two or more races	% Black alone or in combination	% Hispanic or Latino
Appling	18,444	70.9%	18.4%	0.5%	0.7%	0.0%	5.7%	3.8%	19.8%	9.9%
Atkinson	8,286	63.7%	14.6%	0.8%	0.2%	0.0%	12.5%	8.1%	15.5%	24.7%
Bacon	11,140	74.1%	15.8%	0.1%	0.4%	0.0%	5.1%	4.5%	17.7%	7.9%
Baker	2,876	53.4%	39.3%	0.0%	0.6%	0.0%	2.5%	4.1%	41.0%	5.0%
Baldwin	43,799	51.7%	42.0%	0.2%	1.4%	0.1%	1.5%	3.1%	43.3%	2.6%
Banks	18,035	87.8%	2.2%	0.6%	1.1%	0.1%	2.8%	5.4%	3.3%	6.5%
Barrow	83,505	69.0%	12.4%	0.5%	3.9%	0.0%	6.0%	8.1%	14.3%	12.6%
Bartow	108,901	75.7%	10.6%	0.4%	1.1%	0.0%	4.9%	7.3%	12.3%	9.9%
Ben Hill	17,194	54.9%	36.4%	0.4%	0.7%	0.0%	3.2%	4.4%	38.0%	6.1%
Berrien	18,160	80.6%	10.8%	0.2%	0.4%	0.1%	2.6%	5.3%	12.1%	5.8%
Bibb	157,346	36.7%	54.6%	0.2%	2.1%	0.0%	2.4%	4.0%	56.5%	4.3%
Bleckley	12,583	71.7%	22.4%	0.2%	1.2%	0.1%	1.6%	2.9%	23.5%	3.7%
Brantley	18,021	91.2%	3.2%	0.3%	0.2%	0.0%	0.7%	4.4%	4.1%	1.8%
Brooks	16,301	57.1%	35.1%	0.3%	0.4%	0.0%	2.8%	4.3%	36.5%	5.9%
Bryan	44,738	72.0%	14.5%	0.3%	2.4%	0.1%	2.2%	8.5%	16.7%	7.3%
Bulloch	81,099	62.5%	28.4%	0.3%	1.6%	0.1%	2.3%	4.8%	30.1%	5.2%
Burke	24,596	49.5%	44.8%	0.2%	0.4%	0.1%	1.3%	3.7%	46.5%	3.2%
Butts	25,434	66.1%	26.9%	0.2%	0.4%	0.0%	1.7%	4.7%	28.4%	3.2%
Calhoun	5,573	32.0%	64.3%	0.1%	0.3%	0.0%	1.8%	1.4%	65.1%	2.7%
Camden	54,768	70.1%	17.7%	0.5%	1.6%	0.1%	2.1%	7.9%	20.2%	6.7%
Candler	10,981	61.6%	24.5%	0.3%	0.6%	0.0%	7.4%	5.5%	25.6%	12.5%
Carroll	119,148	69.3%	18.6%	0.4%	0.9%	0.0%	4.2%	6.6%	20.7%	8.0%
Catoosa	67,872	88.3%	2.7%	0.4%	1.5%	0.1%	1.3%	5.7%	3.9%	3.4%
Charlton	12,518	69.9%	21.0%	0.4%	0.9%	0.0%	4.3%	3.6%	22.4%	16.3%
Chatham	295,291	48.7%	37.0%	0.4%	3.6%	0.2%	3.9%	6.2%	39.1%	8.1%
Chattahoochee	9,565	62.4%	15.8%	0.5%	3.2%	1.2%	6.1%	10.9%	19.1%	16.8%
Chattooga	24,965	81.3%	9.6%	0.4%	0.4%	0.0%	3.4%	4.8%	11.5%	5.2%
Cherokee	266,620	76.8%	6.7%	0.5%	2.1%	0.0%	4.7%	9.2%	8.1%	12.0%
Clarke	128,671	58.2%	24.6%	0.5%	3.9%	0.1%	6.1%	6.7%	26.2%	11.1%
Clay	2,848	40.4%	56.1%	0.0%	0.2%	0.0%	0.3%	3.0%	57.4%	1.4%
Clayton	297,595	10.3%	69.9%	0.7%	4.6%	0.1%	8.8%	5.7%	72.7%	14.3%
Clinch	6,749	63.8%	29.1%	0.4%	0.3%	0.2%	2.1%	3.9%	31.1%	3.7%
Cobb	766,149	50.6%	26.6%	0.6%	5.6%	0.1%	7.1%	9.5%	29.1%	14.5%
Coffee	43,092	59.0%	27.8%	0.5%	0.7%	0.1%	6.9%	5.0%	29.2%	12.6%
Colquitt	45,898	59.4%	21.9%	0.9%	0.8%	0.0%	10.5%	6.5%	23.2%	19.0%
Columbia	156,010	65.4%	18.1%	0.3%	4.6%	0.2%	2.5%	8.8%	20.8%	7.6%
Cook	17,229	63.7%	27.7%	0.4%	0.6%	0.1%	3.1%	4.4%	29.1%	6.6%
Coweta	146,158	69.6%	17.7%	0.4%	2.3%	0.0%	3.2%	6.8%	19.4%	7.6%
Crawford	12,130	74.3%	18.7%	0.5%	0.3%	0.0%	1.3%	5.0%	20.2%	3.4%
Crisp	20,128	49.7%	44.1%	0.2%	0.9%	0.0%	1.9%	3.2%	45.7%	3.1%
Dade	16,251	91.7%	0.9%	0.5%	0.8%	0.0%	0.8%	5.3%	1.4%	2.2%
Dawson	26,798	89.0%	0.8%	0.3%	0.9%	0.1%	2.5%	6.4%	1.5%	6.0%
Decatur	29,367	49.6%	41.7%	0.4%	0.6%	0.1%	4.1%	3.6%	42.8%	6.5%
DeKalb	764,382	29.5%	50.9%	0.6%	6.6%	0.0%	5.9%	6.5%	53.3%	10.7%
Dodge	19,925	65.3%	29.5%	0.1%	0.5%	0.1%	1.4%	3.1%	30.9%	3.1%
Dooly	11,208	41.9%	49.6%	0.2%	0.5%	0.0%	5.0%	2.8%	50.4%	7.1%
Dougherty	85,790	24.5%	69.9%	0.2%	0.8%	0.0%	1.6%	3.0%	71.6%	2.8%
Douglas	144,237	36.2%	48.4%	0.5%	1.6%	0.1%	5.8%	7.3%	51.5%	11.1%
Early	10,854	44.8%	51.2%	0.3%	0.4%	0.0%	0.6%	2.6%	52.4%	1.7%
Echols	3,697	68.5%	4.2%	1.8%	0.3%	0.0%	14.7%	10.4%	5.2%	29.5%
Effingham	64,769	75.9%	13.7%	0.4%	1.1%	0.1%	2.1%	6.9%	15.5%	5.4%
Elbert	19,637	65.3%	26.9%	0.3%	0.9%	0.0%	2.6%	3.9%	28.1%	5.1%
Emanuel	22,768	61.6%	31.9%	0.3%	0.6%	0.0%	2.5%	3.1%	33.2%	4.4%
Evans	10,774	57.9%	28.9%	0.3%	0.8%	0.1%	6.4%	5.6%	30.4%	11.5%
Fannin	25,319	93.0%	0.3%	0.4%	0.4%	0.0%	1.3%	4.5%	0.8%	3.0%
Fayette	119,194	58.5%	24.8%	0.3%	5.4%	0.0%	3.3%	7.6%	26.9%	8.0%
Floyd	98,584	70.5%	14.3%	0.7%	1.3%	0.0%	5.9%	7.3%	15.8%	11.6%
Forsyth	251,283	65.1%	4.3%	0.4%	18.0%	0.0%	4.1%	8.1%	5.3%	10.0%
Franklin	23,424	83.0%	8.1%	0.2%	1.1%	0.0%	2.8%	4.7%	9.4%	4.8%
Fulton	1,066,710	39.3%	42.5%	0.3%	7.6%	0.0%	3.6%	6.6%	44.8%	8.1%
Gilmer	31,353	86.0%	0.5%	0.8%	0.5%	0.0%	6.5%	5.7%	0.9%	11.5%
Glascock	2,884	89.8%	6.8%	0.0%	0.2%	0.1%	0.1%	2.9%	7.8%	1.8%
Glynn	84,499	64.2%	24.5%	0.4%	1.4%	0.1%	3.7%	5.7%	26.2%	7.5%

County	Total population	% single race White	% single race Black	% single race American Indian and Alaska Native	% single race Asian	% single race Hawaiian or Pacific Islander	% other single race	% two or more races	% Black alone or in combination	% Hispanic or Latino
Gordon	57,544	78.4%	3.7%	0.6%	1.3%	0.0%	8.0%	8.0%	5.1%	15.6%
Grady	26,236	57.4%	28.0%	1.0%	0.5%	0.0%	8.0%	5.1%	29.3%	12.5%
Greene	18,915	59.7%	30.7%	0.2%	0.9%	0.0%	3.7%	4.7%	31.9%	6.8%
Gwinnett	957,062	35.5%	27.4%	0.8%	13.3%	0.1%	12.1%	10.7%	30.1%	23.0%
Habersham	46,031	78.7%	3.8%	0.5%	2.2%	0.1%	6.6%	8.1%	4.7%	14.9%
Hall	203,136	64.4%	7.2%	0.9%	2.1%	0.1%	14.4%	11.0%	8.4%	28.1%
Hancock	8,735	27.7%	69.0%	0.3%	0.4%	0.0%	0.3%	2.3%	70.2%	0.7%
Haralson	29,919	90.3%	4.2%	0.2%	0.6%	0.0%	0.7%	3.9%	5.2%	1.7%
Harris	34,668	76.0%	15.1%	0.4%	1.1%	0.1%	1.4%	5.9%	16.6%	4.1%
Hart	25,828	75.3%	16.8%	0.2%	1.3%	0.0%	1.8%	4.6%	18.3%	3.6%
Heard	11,412	84.8%	8.3%	0.3%	0.5%	0.1%	0.9%	5.3%	10.0%	2.2%
Henry	240,712	37.1%	49.1%	0.3%	3.4%	0.1%	3.6%	6.5%	52.0%	7.7%
Houston	163,633	54.1%	32.2%	0.4%	3.0%	0.1%	3.0%	7.3%	34.5%	7.2%
Irwin	9,666	67.1%	23.1%	0.2%	1.2%	0.0%	5.2%	3.2%	24.1%	6.9%
Jackson	75,907	79.7%	6.9%	0.3%	2.3%	0.1%	4.1%	6.6%	8.1%	8.8%
Jasper	14,588	74.8%	16.9%	0.3%	0.2%	0.1%	2.5%	5.3%	18.3%	4.7%
Jeff Davis	14,779	70.1%	15.6%	0.6%	0.4%	0.0%	8.5%	4.9%	16.9%	13.9%
Jefferson	15,709	44.2%	50.8%	0.3%	0.4%	0.0%	1.7%	2.6%	52.3%	2.9%
Jenkins	8,674	53.9%	40.9%	0.4%	0.1%	0.1%	2.1%	2.4%	41.9%	3.5%
Johnson	9,189	63.4%	33.0%	0.3%	0.3%	0.2%	0.5%	2.4%	34.0%	1.3%
Jones	28,347	71.3%	23.9%	0.2%	0.5%	0.0%	0.7%	3.5%	25.1%	1.7%
Lamar	18,500	67.4%	26.6%	0.1%	0.6%	0.0%	1.1%	4.2%	28.2%	2.6%
Lanier	9,877	68.8%	22.0%	0.4%	0.8%	0.2%	1.9%	5.8%	24.0%	5.8%
Laurens	49,570	56.8%	37.0%	0.2%	1.0%	0.0%	1.6%	3.4%	38.6%	2.9%
Lee	33,163	69.3%	22.2%	0.2%	2.6%	0.0%	1.1%	4.5%	23.4%	2.9%
Liberty	65,256	39.8%	43.1%	0.5%	2.1%	0.7%	4.1%	9.7%	47.7%	11.9%
Lincoln	7,690	68.1%	27.6%	0.2%	0.3%	0.0%	0.3%	3.4%	28.8%	1.2%
Long	16,168	56.9%	25.5%	0.8%	1.1%	0.6%	5.6%	9.5%	29.3%	12.2%
Lowndes	118,251	51.7%	37.6%	0.4%	1.7%	0.1%	2.7%	5.8%	39.5%	6.7%
Lumpkin	33,488	88.8%	1.3%	0.6%	0.8%	0.1%	2.1%	6.4%	2.0%	5.3%
Macon	12,082	34.4%	59.3%	0.3%	1.3%	0.1%	2.7%	2.0%	60.4%	3.9%
Madison	30,120	79.6%	9.2%	0.3%	1.8%	0.0%	3.4%	5.8%	10.6%	6.5%
Marion	7,498	60.7%	28.7%	0.3%	0.7%	0.2%	4.6%	4.7%	29.6%	7.5%
McDuffie	21,632	53.5%	40.1%	0.2%	0.4%	0.1%	1.6%	4.0%	41.8%	3.7%
McIntosh	10,975	65.1%	29.1%	0.3%	0.4%	0.0%	0.6%	4.4%	31.0%	2.1%
Meriwether	20,613	59.3%	35.3%	0.3%	0.4%	0.0%	1.0%	3.6%	36.6%	2.3%
Miller	6,000	66.4%	29.2%	0.2%	0.5%	0.1%	0.9%	2.7%	30.5%	2.3%
Mitchell	21,755	47.2%	46.5%	0.2%	0.5%	0.0%	2.8%	2.7%	47.8%	4.4%
Monroe	27,957	72.0%	21.9%	0.2%	0.9%	0.0%	1.1%	4.0%	23.0%	2.6%
Montgomery	8,610	67.2%	24.8%	0.3%	0.5%	0.0%	3.8%	3.5%	25.8%	6.6%
Morgan	20,097	72.7%	20.5%	0.2%	0.6%	0.0%	1.9%	4.0%	21.6%	3.5%
Murray	39,973	83.4%	0.7%	1.5%	0.3%	0.0%	7.0%	7.0%	1.4%	14.8%
Muscogee	206,922	39.9%	46.5%	0.4%	2.7%	0.3%	3.2%	7.1%	49.4%	8.0%
Newton	112,483	42.7%	46.9%	0.3%	0.9%	0.1%	3.3%	5.7%	49.7%	6.4%
Oconee	41,799	82.4%	4.6%	0.2%	5.0%	0.0%	2.1%	5.7%	5.5%	5.6%
Oglethorpe	14,825	74.7%	15.2%	0.4%	0.9%	0.0%	2.8%	6.0%	16.6%	5.9%
Paulding	168,661	65.9%	22.1%	0.4%	1.2%	0.1%	3.0%	7.3%	24.5%	7.4%
Peach	27,981	44.7%	43.7%	0.4%	0.7%	0.0%	5.3%	5.2%	45.2%	9.1%
Pickens	33,216	91.5%	0.9%	0.4%	0.6%	0.0%	1.4%	5.1%	1.5%	3.6%
Pierce	19,716	84.5%	8.1%	0.4%	0.4%	0.0%	2.8%	3.7%	9.1%	5.1%
Pike	18,889	87.0%	7.7%	0.2%	0.4%	0.0%	0.7%	4.0%	8.5%	1.8%
Polk	42,853	72.9%	12.2%	0.8%	0.6%	0.1%	7.8%	5.7%	13.6%	13.0%
Pulaski	9,855	61.9%	32.2%	0.1%	0.9%	0.0%	2.0%	2.8%	33.0%	3.3%
Putnam	22,047	66.5%	24.6%	0.4%	0.5%	0.0%	2.8%	5.2%	25.9%	7.1%
Quitman	2,235	53.2%	41.1%	0.6%	0.5%	0.0%	0.4%	4.1%	43.2%	1.4%
Rabun	16,883	89.0%	0.7%	0.4%	0.4%	0.0%	3.1%	6.4%	1.2%	8.6%
Randolph	6,425	35.1%	60.3%	0.2%	0.3%	0.0%	1.4%	2.6%	61.4%	2.2%
Richmond	206,607	34.4%	55.3%	0.3%	1.9%	0.2%	2.3%	5.6%	58.1%	5.5%
Rockdale	93,570	27.4%	58.1%	0.3%	1.6%	0.1%	5.7%	6.6%	61.1%	10.2%
Schley	4,547	75.3%	19.3%	0.1%	0.4%	0.0%	1.1%	3.7%	20.5%	3.8%
Screven	14,067	57.5%	37.7%	0.4%	0.4%	0.1%	0.8%	3.2%	39.3%	2.0%
Seminole	9,147	61.9%	32.7%	0.1%	0.7%	0.0%	1.4%	3.2%	33.8%	2.5%
Spalding	67,306	56.2%	34.6%	0.4%	1.0%	0.0%	2.5%	5.3%	36.4%	5.4%

Georgia county demographic statistics from 2020 census data, generated by Blake Esselstyn

County	Total population	% single race White	% single race Black	% single race American Indian and Alaska Native	% single race Asian	% single race Hawaiian or Pacific Islander	% other single race	% two or more races	% Black alone or in combination	% Hispanic or Latino
Stephens	26,784	80.6%	11.1%	0.4%	0.9%	0.0%	1.1%	5.9%	13.2%	3.2%
Stewart	5,314	25.4%	46.4%	0.2%	3.2%	0.1%	22.1%	2.5%	47.8%	22.9%
Sumter	29,616	39.8%	51.1%	0.3%	1.7%	0.0%	4.1%	3.1%	52.5%	6.0%
Talbot	5,733	42.9%	53.7%	0.1%	0.3%	0.0%	0.2%	2.8%	54.9%	2.0%
Taliaferro	1,559	38.9%	53.4%	0.3%	0.4%	0.0%	1.8%	5.3%	56.2%	4.4%
Tattnall	22,842	62.5%	26.3%	0.4%	0.6%	0.0%	5.6%	4.6%	27.7%	10.1%
Taylor	7,816	59.4%	36.2%	0.3%	0.5%	0.1%	0.8%	2.8%	37.7%	2.1%
Telfair	12,477	58.3%	37.1%	0.3%	0.3%	0.0%	1.7%	2.4%	38.1%	15.5%
Terrell	9,185	35.2%	60.6%	0.1%	0.7%	0.0%	0.6%	2.6%	62.1%	1.9%
Thomas	45,798	57.6%	35.7%	0.4%	0.9%	0.0%	1.6%	3.8%	37.1%	3.4%
Tift	41,344	56.2%	29.3%	0.3%	1.6%	0.0%	6.7%	5.8%	30.8%	12.6%
Toombs	27,030	61.3%	26.0%	0.4%	0.8%	0.0%	6.5%	5.1%	27.4%	11.3%
Towns	12,493	92.8%	1.0%	0.2%	0.6%	0.0%	1.5%	3.8%	1.3%	3.3%
Treutlen	6,406	64.1%	31.6%	0.3%	0.1%	0.0%	1.0%	2.8%	33.0%	2.7%
Troup	69,426	55.7%	35.0%	0.3%	2.3%	0.1%	2.5%	4.2%	36.7%	4.3%
Turner	9,006	53.4%	40.7%	0.1%	0.6%	0.0%	1.9%	3.3%	42.3%	4.1%
Twiggs	8,022	56.4%	38.9%	0.3%	0.5%	0.0%	0.5%	3.5%	40.2%	1.5%
Union	24,632	92.7%	0.5%	0.4%	0.4%	0.0%	1.1%	4.9%	0.9%	3.3%
Upson	27,700	65.5%	28.5%	0.3%	0.5%	0.0%	1.3%	3.8%	30.1%	2.3%
Walker	67,654	88.9%	4.2%	0.3%	0.4%	0.1%	1.1%	5.0%	5.4%	2.5%
Walton	96,673	72.0%	17.9%	0.3%	1.5%	0.1%	2.6%	5.6%	19.5%	5.4%
Ware	36,251	62.4%	29.7%	0.3%	0.9%	0.0%	2.4%	4.3%	31.5%	4.4%
Warren	5,215	38.2%	58.5%	0.3%	0.3%	0.1%	0.3%	2.3%	60.0%	1.0%
Washington	19,988	42.4%	53.7%	0.2%	0.4%	0.0%	0.8%	2.5%	54.9%	1.7%
Wayne	30,144	72.5%	19.8%	0.3%	0.6%	0.0%	2.5%	4.2%	21.2%	5.7%
Webster	2,348	48.8%	45.3%	0.1%	0.5%	0.3%	0.9%	4.2%	47.1%	2.5%
Wheeler	7,471	56.6%	38.6%	0.4%	0.2%	0.0%	2.0%	2.2%	39.5%	3.6%
White	28,003	90.2%	1.7%	0.5%	0.6%	0.0%	1.2%	5.8%	2.6%	3.3%
Whitfield	102,864	63.3%	3.7%	2.0%	1.4%	0.0%	17.7%	11.9%	4.8%	35.9%
Wilcox	8,766	59.9%	35.4%	0.0%	0.6%	0.0%	1.5%	2.6%	36.1%	3.1%
Wilkes	9,565	52.8%	40.2%	0.4%	0.6%	0.0%	1.9%	4.1%	41.7%	4.2%
Wilkinson	8,877	58.2%	35.8%	0.3%	0.3%	0.1%	1.3%	4.0%	37.5%	2.7%
Worth	20,784	69.9%	25.4%	0.3%	0.4%	0.0%	0.8%	3.1%	26.5%	1.8%

Esselstyn Report: Attachment D

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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Proposed Georgia Senate Districts

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

Proposed Georgia Senate Districts

Client: S018
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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

Senate-prop1-2021

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**

The preceding report, published by the Georgia General Assembly, does not include statistics for the percentage of the voting age population that is "Black or African American alone or in combination," also known as the "any part Black voting age population" percentage or "APBVAP%." As these percentages are relevant for determining which State Senate districts can be considered majority-Black under the conventions used in the expert report, I have provided them below after having exported a listing from the *Maptitude for Redistricting* software.

District	APBVAP%	District	APBVAP%	District	APBVAP%	District	APBVAP%
1	25.08%	15	54.00%	29	26.88%	43	64.33%
2	46.86%	16	22.70%	30	20.92%	44	71.34%
3	21.18%	17	32.01%	31	20.70%	45	18.58%
4	23.37%	18	30.40%	32	14.86%	46	16.90%
5	29.94%	19	25.72%	33	42.96%	47	17.42%
6	23.90%	20	31.28%	34	69.54%	48	9.47%
7	21.44%	21	7.46%	35	71.90%	49	7.96%
8	30.38%	22	56.50%	36	51.34%	50	5.61%
9	29.53%	23	35.48%	37	19.27%	51	1.21%
10	71.46%	24	19.85%	38	65.30%	52	13.04%
11	31.04%	25	33.48%	39	60.70%	53	5.10%
12	57.97%	26	56.99%	40	19.24%	54	3.79%
13	26.97%	27	5.00%	41	62.61%	55	65.97%
14	18.97%	28	19.51%	42	30.78%	56	7.57%

Esselstyn Report: Attachment E

District	Population	Deviation	% Deviation	% single-race White (total pop)	% single-race Black (total pop)	% single-race American Indian Alaska Native (total pop)	% single-race Asian (total pop)	% single-race Native Hawaiian Pacific Islander (total pop)	% single-race Other (total pop)	% multi-racial (total pop)	% Hispanic or Latino (total pop)	% Black alone or in combination (total pop)	% Black alone or in combination (voting age pop)
1	191,402	118	0.06%	61.01%	24.27%	0.38%	2.69%	0.33%	3.22%	8.11%	8.78%	27.05%	25.08%
2	190,408	-876	-0.46%	37.90%	48.03%	0.36%	3.44%	0.17%	4.31%	5.79%	8.36%	50.27%	46.86%
3	191,212	-72	-0.04%	68.28%	21.28%	0.42%	1.25%	0.11%	2.73%	5.93%	6.82%	23.14%	21.18%
4	191,098	-186	-0.10%	65.93%	22.86%	0.34%	1.88%	0.08%	2.94%	5.97%	6.49%	24.63%	23.37%
5	191,921	637	0.33%	18.45%	27.57%	1.64%	11.06%	0.07%	27.36%	13.84%	45.48%	30.07%	29.94%
6	191,834	550	0.29%	57.94%	21.00%	0.37%	7.36%	0.04%	4.82%	8.47%	9.84%	23.20%	22.95%
7	189,709	-1,575	-0.82%	37.68%	20.56%	0.59%	21.74%	0.07%	9.04%	10.32%	18.57%	22.96%	21.44%
8	192,396	1,112	0.58%	59.12%	30.35%	0.43%	1.24%	0.08%	3.29%	5.49%	7.28%	32.11%	30.38%
9	192,915	1,631	0.85%	34.88%	29.00%	0.84%	14.04%	0.05%	10.88%	10.31%	21.09%	31.62%	29.53%
10	192,601	1,317	0.69%	32.32%	59.43%	0.23%	1.03%	0.02%	2.00%	4.96%	4.20%	62.00%	61.10%
11	189,976	-1,308	-0.68%	57.47%	31.30%	0.57%	0.71%	0.03%	5.24%	4.67%	9.36%	32.62%	31.04%
12	190,819	-465	-0.24%	34.34%	59.08%	0.21%	0.88%	0.03%	2.56%	2.90%	3.89%	60.59%	57.97%
13	194,905	3,621	1.89%	62.81%	27.41%	0.29%	1.19%	0.03%	3.72%	4.55%	7.10%	28.75%	27.24%
14	192,533	1,249	0.65%	56.63%	17.15%	0.39%	9.49%	0.05%	6.50%	9.81%	13.97%	19.43%	18.97%
15	189,446	-1,838	-0.96%	35.64%	52.99%	0.37%	1.35%	0.29%	3.34%	6.01%	7.57%	55.72%	54.00%
16	190,077	-1,207	-0.63%	69.67%	19.46%	0.29%	2.53%	0.03%	2.09%	5.93%	5.29%	20.93%	19.72%
17	193,838	2,554	1.34%	70.00%	21.64%	0.26%	0.94%	0.04%	2.25%	4.88%	4.73%	22.98%	21.77%
18	192,680	1,396	0.73%	59.61%	29.57%	0.30%	2.27%	0.06%	2.50%	5.69%	5.47%	31.37%	30.04%
19	192,316	1,032	0.54%	64.20%	25.16%	0.41%	0.60%	0.07%	4.94%	4.62%	9.72%	26.72%	25.72%
20	194,919	3,635	1.90%	60.69%	32.35%	0.23%	1.01%	0.06%	1.82%	3.84%	3.81%	33.78%	32.45%
21	192,572	1,288	0.67%	73.26%	6.66%	0.50%	7.41%	0.04%	3.93%	8.19%	10.13%	8.04%	7.46%
22	188,930	-2,354	-1.23%	36.87%	50.98%	0.35%	2.31%	0.19%	2.78%	6.52%	6.88%	54.05%	50.84%
23	188,095	-3,189	-1.67%	42.46%	51.48%	0.29%	0.61%	0.10%	1.42%	3.64%	3.04%	53.25%	51.06%
24	194,277	2,993	1.56%	69.67%	17.49%	0.29%	3.58%	0.13%	1.95%	6.88%	5.61%	19.48%	18.38%
25	192,708	1,424	0.74%	27.57%	58.22%	0.34%	3.61%	0.06%	3.89%	6.30%	8.14%	61.38%	58.93%
26	190,535	-749	-0.39%	36.13%	54.05%	0.30%	1.92%	0.04%	2.93%	4.64%	5.41%	56.18%	52.84%
27	190,676	-608	-0.32%	69.94%	4.43%	0.45%	11.44%	0.04%	4.92%	8.78%	11.61%	5.51%	5.00%
28	189,696	-1,588	-0.83%	30.66%	56.20%	0.36%	2.24%	0.04%	4.70%	5.79%	8.95%	58.59%	57.28%
29	189,424	-1,860	-0.97%	61.96%	26.49%	0.34%	3.05%	0.11%	2.15%	5.90%	5.34%	28.39%	26.88%
30	191,939	655	0.34%	74.89%	14.88%	0.37%	0.83%	0.03%	3.07%	5.92%	6.15%	16.66%	15.77%
31	192,755	1,471	0.77%	68.30%	19.22%	0.44%	1.07%	0.07%	4.02%	6.88%	8.60%	21.30%	19.61%
32	192,448	1,164	0.61%	65.58%	13.56%	0.45%	5.53%	0.05%	5.09%	9.73%	12.09%	15.61%	14.86%
33	192,694	1,410	0.74%	30.10%	41.18%	1.03%	2.16%	0.07%	14.18%	11.27%	26.72%	44.04%	42.96%
34	192,023	739	0.39%	22.60%	57.52%	0.67%	4.16%	0.06%	8.70%	6.30%	14.36%	60.15%	58.97%
35	193,194	1,910	1.00%	33.51%	52.94%	0.43%	1.33%	0.07%	4.93%	6.79%	9.56%	55.95%	54.05%

District	Population	Deviation	% Deviation	% single-race White (total pop)	% single-race Black (total pop)	% single-race American Indian Alaska Native (total pop)	% single-race Asian (total pop)	% single-race Native Hawaiian Pacific Islander (total pop)	% single-race Other (total pop)	% multi-racial (total pop)	% Hispanic or Latino (total pop)	% Black alone or in combination (total pop)	% Black alone or in combination (voting age pop)
36	192,282	998	0.52%	34.70%	51.92%	0.35%	3.62%	0.05%	3.23%	6.14%	7.56%	54.36%	51.34%
37	192,671	1,387	0.73%	64.32%	18.38%	0.38%	3.89%	0.04%	3.92%	9.08%	9.99%	20.86%	19.27%
38	190,605	-679	-0.36%	20.91%	64.48%	0.43%	3.34%	0.05%	4.86%	5.94%	9.12%	67.17%	66.36%
39	190,184	-1,100	-0.58%	26.93%	60.38%	0.30%	4.33%	0.05%	2.86%	5.16%	6.09%	62.78%	60.21%
40	190,544	-740	-0.39%	46.44%	16.84%	1.29%	10.90%	0.06%	14.32%	10.16%	24.81%	18.75%	19.24%
41	191,023	-261	-0.14%	19.86%	60.99%	0.44%	9.23%	0.02%	3.93%	5.54%	7.32%	63.74%	62.61%
42	190,153	-1,131	-0.59%	52.87%	26.90%	0.45%	6.95%	0.03%	4.97%	7.83%	10.21%	28.96%	29.09%
43	191,784	500	0.26%	30.42%	57.48%	0.33%	1.16%	0.11%	4.56%	5.95%	8.28%	60.40%	58.52%
44	188,256	-3,028	-1.58%	14.26%	69.94%	0.50%	4.23%	0.05%	5.60%	5.40%	9.71%	72.72%	71.52%
45	190,692	-592	-0.31%	55.41%	17.52%	0.47%	10.75%	0.04%	6.32%	9.49%	14.66%	19.69%	18.58%
46	190,312	-972	-0.51%	68.86%	16.88%	0.35%	3.81%	0.04%	3.65%	6.40%	7.99%	18.49%	16.90%
47	190,607	-677	-0.35%	66.86%	17.14%	0.41%	2.70%	0.05%	5.81%	7.04%	11.22%	18.64%	17.42%
48	190,123	-1,161	-0.61%	50.35%	8.51%	0.26%	30.63%	0.04%	2.69%	7.52%	7.58%	9.93%	9.47%
49	189,355	-1,929	-1.01%	65.60%	7.32%	0.80%	2.17%	0.05%	13.52%	10.54%	26.24%	8.50%	7.96%
50	189,320	-1,964	-1.03%	80.96%	5.13%	0.49%	1.23%	0.05%	5.21%	6.93%	11.08%	6.19%	5.61%
51	190,167	-1,117	-0.58%	89.94%	0.88%	0.51%	0.60%	0.03%	2.50%	5.55%	5.43%	1.49%	1.21%
52	190,799	-485	-0.25%	73.61%	12.56%	0.54%	1.09%	0.03%	5.02%	7.14%	10.11%	14.20%	13.04%
53	190,236	-1,048	-0.55%	86.66%	4.52%	0.38%	1.01%	0.07%	1.96%	5.40%	3.98%	5.74%	5.10%
54	192,443	1,159	0.61%	71.00%	3.13%	1.54%	1.16%	0.03%	13.21%	9.94%	26.66%	4.22%	3.79%
55	190,155	-1,129	-0.59%	19.41%	63.85%	0.45%	4.23%	0.06%	4.93%	7.08%	10.14%	67.34%	65.97%
56	191,226	-58	-0.03%	75.62%	6.50%	0.26%	5.69%	0.04%	2.88%	9.02%	8.63%	8.08%	7.57%

Esselstyn Report: Attachment F

2021 Committee Guidelines

I. HEARINGS AND MEETINGS

A. PUBLIC HEARINGS

1. A series of public hearings were held to actively seek public participation and input concerning the General Assembly's redrawing of congressional and legislative districts.

2. Video recordings of all hearings are and shall remain available on the legislative website, www.legis.ga.gov

B. COMMITTEE MEETINGS

1. All formal meetings of the full committee will be open to the public.

2. When the General Assembly is not in session, notices of all such meetings will be posted at the Offices of the Clerk of the House or Secretary of the Senate and other appropriate places at least 24 hours in advance of any meeting. Individual notices may be transmitted by email to any citizen or organization requesting the same without charge. Persons or organizations needing this information should contact the Senate Press Office or House Communications Office or the Secretary of the Senate or Clerk of the House to be placed on the notification list.

3. Minutes of all such meetings shall be kept and maintained in accordance with the rules of the House and Senate. Copies of the minutes should be made available in a timely manner at a reasonable cost in accordance with these same rules.

IL PUBLIC ACCESS TO REDISTRICTING DATA AND MATERIALS

A. Census information databases on any medium created at public expense and held by the Committee or by the Legislative and Congressional Reapportionment Office for use in the redistricting process are included as public records and copies can be made available to the public in accordance with the rules of the General Assembly and subject to reasonable charges for search, retrieval, reproduction and other reasonable, related costs.

B. Copies of the public records described above may be obtained at the cost of reproduction by members of the public on electronic media if the material exists on an appropriate electronic medium. Cost of reproduction may include not only the medium on which the copies made, but also the labor cost for the search, retrieval, and reproduction of the records and other reasonable, related costs.

C. These guidelines regarding public access to redistricting data and materials do not apply to plans or other related materials prepared by or on behalf of an individual Member of the General Assembly using the Legislative and Congressional Reapportionment Office, where those plans and materials have not been made public through presentation to the Committee.

III. REDISTRICTING PLANS

A. GENERAL PRINCIPLES FOR DRAFTING PLANS

1. Each congressional district should be drawn with a total population of plus or minus one person from the ideal district size.

2. Each legislative district of the General Assembly should be drawn to achieve a total population that is substantially equal as practicable, considering the principles listed below.

3. All plans adopted by the Committee will comply with Section 2 of the Voting Rights Act of 1965, as amended.

4. All plans adopted by the Committee will comply with the United States and Georgia Constitutions.

5. Districts shall be composed of contiguous geography. Districts that connect on a single point are not contiguous.

6. No multi-member districts shall be drawn on any legislative redistricting plan.

7. The Committee should consider:

   a. The boundaries of counties and precincts;

   b. Compactness; and

   c. Communities of interest.

8. Efforts should be made to avoid the unnecessary pairing of incumbents.

9. The identifying of these criteria is not intended to limit the consideration of any other principles or factors that the Committee deems appropriate.

B. PLANS PRODUCED THROUGH THE LEGISLATIVE AND CONGRESSIONAL REAPPORTIONMENT OFFICE

1. Staff of the Legislative and Congressional Reapportionment Office will be available to all members of the General Assembly requesting assistance in accordance with the policy of that office.

2. Census data and redistricting work maps will be available to all members of the General Assembly upon request, provided that (a) the map was created by the requesting member, (b) the map is publicly available, or (c) the Legislative and Congressional Reapportionment Office has been granted permission by the author of the map to share a copy with the requesting member.

3. As noted above, redistricting plans and other records related to the provision of staff services to individual members of the General Assembly will not be subject to public disclosure. Only the author of a particular map may waive the confidentiality of his or her own work product. This confidentiality provision will not apply with respect to records related to the provision of staff services to any committee or subcommittee as a whole or to any records which are or have been previously disclosed by or pursuant to the direction of an individual member of the General Assembly.

C. PLANS PRODUCED OUTSIDE OF THE LEGISLATIVE AND CONGRESSIONAL REAPPORTIONMENT OFFICE

1. All plans submitted to the Committee will be made part of the public record and made available in the same manner as other committee public records.

2. All plans prepared outside the Legislative and Congressional Reapportionment Office must be submitted to that office prior to presentation to the Committee by a Member of the General Assembly for technical verification and presentation and bill preparation. All pieces of census geography must be accounted for in some district.

3. The electronic submission of material for technical verification must be made in accordance with the following requirements or in a manner specifically approved and accepted by the Legislative and Congressional Reapportionment Office.

   a. The submission shall be in electronic format with accompanying documentation that shows the submitting sponsor of the proposed plan and contact person for the proposed plan, including email address and telephone number.

b. An electronic map image that clearly depicts defined boundaries, utilizing the 2020 United States Census geographic boundaries, and a block equivalency file containing two columns. The first column shall list the 15-digit census block identification numbers, and the second column shall list the three-digit district identification number. Both block and district numbers shall be zero-filled text files. Such files shall be submitted in .xis, .xlsx, .dbf, .txt, or .csv file formats. The following is a sample:

```
BlockID, DISTRICT
"13001950100101","008"
"13001950100102","008"
"13001950100103","008"
"13001950100104","008"
"13001950100105","008"
"13001950100106","008"
```

4. If submission of the plan cannot be done electronically, the following requirements must be followed:

a. All drafts, amendments, or revisions should be on clearly-depicted maps that follow the 2020 Census geographic boundaries and should be accompanied by a statistical sheet listing the Census geography including the total population for each district.

b. All plans submitted should either be a complete statewide plan or fit back into the plan that they modified, so that the proposal can be evaluated in the context of a statewide plan. All pieces of Census geography must be accounted for in some district.

D. GENERAL GUIDELINES FOR PRESENTATION OF ALL PLANS

1. A redistricting plan may be presented for consideration by the Committee only through the sponsorship of one or more Member(s) of the General Assembly. All such drafts of and amendments or revisions to plans presented at any committee meeting must be on clearly-depicted maps which follow the 2020 Census geographic boundaries and accompanied by a statistical sheet listing the Census geography, including the total population and minority populations for each proposed district.

2. No plan may be presented to the Committee unless that plan makes accommodations for and fits back into a specific, identified statewide map for the particular legislative body involved.

3. All plans presented at committee meetings will be made available for inspection by the public either electronically or by hard copy available at the Office of Legislative and Congressional Reapportionment.

E. These guidelines may be reconsidered or amended by the Committee.

Esselstyn Report: Attachment G

Explanation of compactness measures

The following explanations of the five measures of compactness considered in the report are taken from the documentation that accompanies *Maptitude for Redistricting*, the software that was used to generate the compactness scores.

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 **Schwartzberg** test is a perimeter-based measure that compares a simplified version of each district to a circle, which is considered to be the most compact shape possible. [...] For each district, the Schwartzberg test computes the ratio of the perimeter of the simplified version of the district to the perimeter of a circle with the same area as the original district. [...] This measure is usually greater than or equal to 1, with 1 being the most compact.

The **Polsby-Popper** test computes the ratio of the district area to the area of a circle with the same perimeter: $4\pi\text{Area}/(\text{Perimeter}^2)$. The measure is always between 0 and 1, with 1 being the most compact.

The **Area/Convex Hull** test computes the ratio the district area to the area of the convex hull of the district (minimum convex polygon which completely contains the district). The measure is always between 0 and 1, with 1 being the most compact.

The **Cut Edges** test counts the number of edges removed ("cut") from the adjacency (dual) graph of the base layer to define the districting plan. The adjacency

graph is defined by creating a node for each base layer area. An edge is added between two nodes if the two corresponding base layer areas are adjacent: i.e., share a common linear boundary. If such a boundary forms part of the district boundary then its corresponding edge is cut by the plan. The measure is a single number for the plan. A smaller number implies a more compact plan.

Explanatory graphic for the Cut Edges test (from same source):

Esselstyn Report: Attachment H

More detailed tables for comparative characteristics of State Senate plans

Population Deviation:

The deviation statistics for each individual district in the respective plans can be found in **Attachment D** and **Attachment E**. Below are the summary statistics generated by the *Maptitude for Redistricting* software.

Enacted plan:

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

Illustrative plan:

Population Range:	
Ratio Range:	
Absolute Range:	188,095 to 194,919
Absolute Overall Range:	0.04
Relative Range:	-3,189 to 3,635
Relative Overall Range:	6,824
Absolute Mean Deviation:	-1.67% to 1.90%
Relative Mean Deviation:	3.57%
Standard Deviation:	1,283.86
	0.67%
	1,529.53

Compactness:

Below is the compactness report for the Senate enacted plan.

User:
Plan Name: **GA Sen 000**
Plan Type: **Reference**

Measures of Compactness Report

Thursday, January 13, 2022 1:11 PM

Number of cut edges: 11,005

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.50
Max	0.68	2.67	0.50	0.92
Mean	0.42	1.75	0.29	0.76
Std. Dev.	0.11	0.25	0.08	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
1	0.49	1.60	0.31	0.79
2	0.47	1.80	0.22	0.73
3	0.39	1.70	0.21	0.70
4	0.47	1.64	0.27	0.75
5	0.17	2.10	0.21	0.65
6	0.41	1.94	0.24	0.70
7	0.35	1.66	0.34	0.79
8	0.45	1.77	0.23	0.73
9	0.24	2.06	0.21	0.69
10	0.28	1.98	0.23	0.69
11	0.36	1.57	0.33	0.79

Measures of Compactness Report

Number of cut edges: 11,005

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.50
Max	0.68	2.67	0.50	0.92
Mean	0.42	1.75	0.29	0.76
Std. Dev.	0.11	0.25	0.08	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
12	0.62	1.46	0.39	0.86
13	0.45	1.72	0.26	0.73
14	0.27	1.90	0.24	0.66
15	0.57	1.52	0.32	0.83
16	0.37	1.55	0.31	0.77
17	0.35	2.22	0.17	0.63
18	0.47	1.85	0.21	0.76
19	0.53	1.47	0.37	0.84
20	0.41	1.50	0.36	0.80
21	0.42	1.56	0.33	0.83
22	0.41	1.68	0.29	0.75
23	0.37	1.93	0.16	0.70
24	0.37	1.89	0.21	0.68
25	0.39	1.81	0.24	0.73

Measures of Compactness Report

Number of cut edges: 11,005

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.50
Max	0.68	2.67	0.50	0.92
Mean	0.42	1.75	0.29	0.76
Std. Dev.	0.11	0.25	0.08	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
26	0.47	1.90	0.20	0.68
27	0.50	1.37	0.46	0.88
28	0.45	1.79	0.25	0.69
29	0.58	1.37	0.42	0.88
30	0.60	1.51	0.41	0.87
31	0.37	1.58	0.38	0.84
32	0.29	1.98	0.21	0.64
33	0.40	1.96	0.22	0.72
34	0.45	1.60	0.34	0.74
35	0.47	1.78	0.26	0.83
36	0.32	1.76	0.30	0.76
37	0.49	1.51	0.37	0.80
38	0.36	2.01	0.21	0.76
39	0.17	2.67	0.13	0.50

Measures of Compactness Report

Number of cut edges: 11,005

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.50
Max	0.68	2.67	0.50	0.92
Mean	0.42	1.75	0.29	0.76
Std. Dev.	0.11	0.25	0.08	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
40	0.51	1.65	0.34	0.78
41	0.51	1.78	0.30	0.74
42	0.48	1.73	0.32	0.82
43	0.64	1.56	0.35	0.85
44	0.18	2.12	0.19	0.68
45	0.35	1.72	0.30	0.73
46	0.37	1.99	0.21	0.72
47	0.36	2.06	0.19	0.66
48	0.35	1.61	0.34	0.79
49	0.46	1.55	0.34	0.79
50	0.45	1.79	0.23	0.72
51	0.68	1.31	0.50	0.92
52	0.47	1.80	0.25	0.72
53	0.49	1.48	0.40	0.90

Measures of Compactness Report

Number of cut edges: 11,005

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.50
Max	0.68	2.67	0.50	0.92
Mean	0.42	1.75	0.29	0.76
Std. Dev.	0.11	0.25	0.08	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
54	0.60	1.38	0.44	0.83
55	0.34	1.84	0.27	0.81
56	0.38	1.70	0.30	0.80

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Schwartzberg	The measure is usually greater than or equal to 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.
Area / Convex Hull	The measure is always between 0 and 1, with 1 being the most compact.
Cut Edges	A smaller number implies a more compact plan. The measure should only be used to compare plans defined on the same base layer.

Below is the compactness report for the Senate illustrative plan.

User:
Plan Name: **GA Senate Illustrative**
Plan Type: **Reference**

Measures of Compactness Report

Saturday, December 3, 2022 2:09 PM

Number of cut edges: 11,003

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.52
Max	0.68	2.67	0.50	0.92
Mean	0.41	1.76	0.28	0.75
Std. Dev.	0.11	0.26	0.09	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
1	0.49	1.60	0.31	0.79
2	0.47	1.80	0.22	0.73
3	0.39	1.70	0.21	0.70
4	0.47	1.64	0.27	0.75
5	0.17	2.10	0.21	0.65
6	0.42	1.95	0.23	0.71
7	0.35	1.66	0.34	0.79
8	0.45	1.77	0.23	0.73
9	0.24	2.06	0.21	0.69
10	0.25	2.08	0.19	0.68
11	0.36	1.57	0.33	0.79

Measures of Compactness Report

GA Senate Illustrative

Number of cut edges: 11,003

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.52
Max	0.68	2.67	0.50	0.92
Mean	0.41	1.76	0.28	0.75
Std. Dev.	0.11	0.26	0.09	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
12	0.62	1.46	0.39	0.86
13	0.48	1.70	0.25	0.76
14	0.27	1.90	0.24	0.66
15	0.57	1.52	0.32	0.83
16	0.39	1.76	0.27	0.71
17	0.35	2.21	0.16	0.60
18	0.38	1.91	0.20	0.66
19	0.53	1.47	0.37	0.84
20	0.28	1.83	0.24	0.71
21	0.42	1.56	0.33	0.83
22	0.33	1.70	0.32	0.74
23	0.34	1.93	0.17	0.69
24	0.27	1.87	0.23	0.72
25	0.57	1.55	0.34	0.80

Measures of Compactness Report

Number of cut edges: 11,003

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.52
Max	0.68	2.67	0.50	0.92
Mean	0.41	1.76	0.28	0.75
Std. Dev.	0.11	0.26	0.09	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
26	0.44	1.56	0.25	0.77
27	0.50	1.37	0.46	0.88
28	0.38	2.17	0.19	0.66
29	0.58	1.37	0.42	0.88
30	0.41	1.55	0.38	0.84
31	0.40	1.43	0.46	0.86
32	0.29	1.98	0.21	0.64
33	0.40	1.96	0.22	0.72
34	0.31	1.98	0.21	0.66
35	0.59	1.48	0.42	0.86
36	0.32	1.76	0.30	0.76
37	0.49	1.51	0.37	0.80
38	0.37	2.05	0.20	0.75
39	0.18	2.67	0.13	0.52

Measures of Compactness Report

Number of cut edges: 11,003

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.52
Max	0.68	2.67	0.50	0.92
Mean	0.41	1.76	0.28	0.75
Std. Dev.	0.11	0.26	0.09	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
40	0.51	1.65	0.34	0.78
41	0.51	1.78	0.30	0.74
42	0.47	1.96	0.25	0.78
43	0.49	1.82	0.25	0.79
44	0.33	1.95	0.24	0.72
45	0.35	1.72	0.30	0.73
46	0.37	1.99	0.21	0.72
47	0.36	2.06	0.19	0.66
48	0.35	1.61	0.34	0.79
49	0.46	1.55	0.34	0.79
50	0.45	1.79	0.23	0.72
51	0.68	1.31	0.50	0.92
52	0.47	1.80	0.25	0.72
53	0.49	1.48	0.40	0.90

Measures of Compactness Report

Number of cut edges: 11,003

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.17	1.31	0.13	0.52
Max	0.68	2.67	0.50	0.92
Mean	0.41	1.76	0.28	0.75
Std. Dev.	0.11	0.26	0.09	0.08

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
54	0.60	1.38	0.44	0.83
55	0.34	1.84	0.27	0.81
56	0.38	1.70	0.30	0.80

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Schwartzberg	The measure is usually greater than or equal to 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.
Area / Convex Hull	The measure is always between 0 and 1, with 1 being the most compact.
Cut Edges	A smaller number implies a more compact plan. The measure should only be used to compare plans defined on the same base layer.

Divisions of counties and precincts (VTDs):

Below is the political subdivisions splits report for the Senate enacted plan.

User:
Plan Name: **GA Senate Enacted**
Plan Type: **Reference**

Political Subdivision Splits Between Districts

Saturday, December 3, 2022 3:21 PM

Number of subdivisions not split:

County	130
Voting District	2,651

Number of subdivisions split into more than one district:

County	29
Voting District	47

Number of splits involving no population:

County	0
Voting District	8

Split Counts

County
Cases where an area is split among 2 Districts: 18
Cases where an area is split among 3 Districts: 7
Cases where an area is split among 6 Districts: 1
Cases where an area is split among 7 Districts: 1
Cases where an area is split among 9 Districts: 1
Cases where an area is split among 10 Districts: 1

Voting District
Cases where an area is split among 2 Districts: 46
Cases where an area is split among 3 Districts: 1

County	Voting District	District	Population
Split Counties:			
Barrow GA		45	39,217
Barrow GA		46	17,116
Barrow GA		47	27,172
Bartow GA		37	11,130
Bartow GA		52	97,771
Bibb GA		18	53,182
Bibb GA		25	15,513
Bibb GA		26	88,651
Chatham GA		1	81,408
Chatham GA		2	190,408
Chatham GA		4	23,475
Cherokee GA		21	109,034
Cherokee GA		32	90,981
Cherokee GA		56	66,605
Clarke GA		46	52,016
Clarke GA		47	76,655
Clayton GA		34	158,608
Clayton GA		44	138,987
Cobb GA		6	92,249

Political Subdivision Splits Between Districts

GA Senate Enacted

County	Voting District	District	Population
Cobb GA		32	101,467
Cobb GA		33	192,694
Cobb GA		37	181,541
Cobb GA		38	108,305
Cobb GA		56	89,893
Coffee GA		13	19,881
Coffee GA		19	23,211
Columbia GA		23	59,796
Columbia GA		24	96,214
DeKalb GA		10	75,906
DeKalb GA		40	164,997
DeKalb GA		41	183,560
DeKalb GA		42	190,940
DeKalb GA		43	32,212
DeKalb GA		44	51,049
DeKalb GA		55	65,718
Douglas GA		28	25,889
Douglas GA		30	23,454
Douglas GA		35	94,894
Fayette GA		16	87,134
Fayette GA		34	32,060
Floyd GA		52	85,090
Floyd GA		53	13,494
Forsyth GA		27	190,676
Forsyth GA		48	60,607
Fulton GA		6	99,152
Fulton GA		14	192,533
Fulton GA		21	83,538
Fulton GA		28	6,963
Fulton GA		35	97,945
Fulton GA		36	192,282
Fulton GA		38	84,850
Fulton GA		39	191,500
Fulton GA		48	83,219
Fulton GA		56	34,728
Gordon GA		52	7,938
Gordon GA		54	49,606
Gwinnett GA		5	191,921
Gwinnett GA		7	189,709
Gwinnett GA		9	192,915
Gwinnett GA		40	25,547
Gwinnett GA		41	7,463
Gwinnett GA		45	151,475
Gwinnett GA		46	27,298
Gwinnett GA		48	46,297
Gwinnett GA		55	124,437
Hall GA		49	189,355

Political Subdivision Splits Between Districts

GA Senate Enacted

County	Voting District	District	Population
Hall GA		50	13,781
Henry GA		10	116,992
Henry GA		17	82,287
Henry GA		25	41,433
Houston GA		18	42,875
Houston GA		20	74,275
Houston GA		26	46,483
Jackson GA		47	56,660
Jackson GA		50	19,247
Muscogee GA		15	142,205
Muscogee GA		29	64,717
Newton GA		17	45,536
Newton GA		43	66,947
Paulding GA		30	18,954
Paulding GA		31	149,707
Richmond GA		22	193,163
Richmond GA		23	13,444
Walton GA		17	44,590
Walton GA		46	52,083
Ware GA		3	10,431
Ware GA		8	25,820
White GA		50	12,642
White GA		51	15,361
Split VTDs:			
Bibb GA	HOWARD 1	18	5,912
Bibb GA	HOWARD 1	25	31
Bibb GA	HOWARD 2	18	5,445
Bibb GA	HOWARD 2	25	0
Bibb GA	HOWARD 3	18	12,640
Bibb GA	HOWARD 3	25	14
Bibb GA	HOWARD 5	18	267
Bibb GA	HOWARD 5	25	2,103
Chatham GA	BLOOMINGDALE COMMUNITY CENTER	1	4,099
Chatham GA	BLOOMINGDALE COMMUNITY CENTER	4	755
Chatham GA	POOLER CHRURCH	1	5,330
Chatham GA	POOLER CHRURCH	4	4,407
Clarke GA	3B	46	5,752
Clarke GA	3B	47	4,194
Clarke GA	6C	46	2,971
Clarke GA	6C	47	2,036
Cobb GA	Dobbins 01	6	6,586
Cobb GA	Dobbins 01	33	6,310
Cobb GA	Dobbins 01	38	505
Cobb GA	Elizabeth 01	32	3,771
Cobb GA	Elizabeth 01	37	2,099

Political Subdivision Splits Between Districts

GA Senate Enacted

County	Voting District	District	Population
Cobb GA	Kennesaw 1A	32	1,471
Cobb GA	Kennesaw 1A	37	2,972
Cobb GA	Marietta 3A	32	3,439
Cobb GA	Marietta 3A	33	5,460
Cobb GA	Marietta 5A	6	0
Cobb GA	Marietta 5A	33	4,334
Cobb GA	Marietta 6A	6	3,022
Cobb GA	Marietta 6A	32	1,532
Cobb GA	Marietta 7A	6	993
Cobb GA	Marietta 7A	33	5,918
Cobb GA	Nickajack 01	6	2,398
Cobb GA	Nickajack 01	38	3,728
Cobb GA	Norton Park 01	33	7,049
Cobb GA	Norton Park 01	38	752
Cobb GA	Oregon 03	33	12,988
Cobb GA	Oregon 03	37	0
Cobb GA	Powers Ferry 01	6	4,963
Cobb GA	Powers Ferry 01	33	464
Cobb GA	Sewell Mill 03	6	5,051
Cobb GA	Sewell Mill 03	33	1,886
Cobb GA	Vinings 02	6	4,624
Cobb GA	Vinings 02	38	5,019
Coffee GA	DOUGLAS	13	12,595
Coffee GA	DOUGLAS	19	15,976
Floyd GA	GARDEN LAKES	52	1,024
Floyd GA	GARDEN LAKES	53	7,817
Forsyth GA	BIG CREEK	27	15,216
Forsyth GA	BIG CREEK	48	10,302
Forsyth GA	POLO	27	24,894
Forsyth GA	POLO	48	964
Fulton GA	RW09	21	2,971
Fulton GA	RW09	56	4,750
Fulton GA	RW12	21	4,274
Fulton GA	RW12	56	3,958
Fulton GA	SC08B	35	223
Fulton GA	SC08B	39	5,124
Fulton GA	SC18C	35	1,852
Fulton GA	SC18C	39	521
Gordon GA	LILY POND	52	1,641
Gordon GA	LILY POND	54	996
Gwinnett GA	DACULA	45	2,699
Gwinnett GA	DACULA	46	4,613
Gwinnett GA	LAWRENCEVILLE E	5	2,075
Gwinnett GA	LAWRENCEVILLE E	9	1,386
Gwinnett GA	PINCKNEYVILLE W	5	5,605
Gwinnett GA	PINCKNEYVILLE W	7	2,701
Hall GA	GLADE	49	5,135

Political Subdivision Splits Between Districts

GA Senate Enacted

County	Voting District	District	Population
Hall GA	GLADE	50	1,735
Hall GA	TADMORE	49	4,129
Hall GA	TADMORE	50	10,220
Houston GA	FMMS	18	5,178
Houston GA	FMMS	20	8,151
Houston GA	MCMS	18	3,625
Houston GA	MCMS	20	9,869
Houston GA	RECR	20	0
Houston GA	RECR	26	17,798
Jackson GA	Central Jackson	47	24,383
Jackson GA	Central Jackson	50	0
Jackson GA	North Jackson	47	0
Jackson GA	North Jackson	50	19,247
Muscogee GA	COLUMBUS TECH	15	6,919
Muscogee GA	COLUMBUS TECH	29	2,228
Paulding GA	CARL SCOGGINS MID SC	30	7,586
Paulding GA	CARL SCOGGINS MID SC	31	2,162
Paulding GA	TAYLOR FARM PARK	30	475
Paulding GA	TAYLOR FARM PARK	31	12,958
Ware GA	100	3	2,672
Ware GA	100	8	3,692
Ware GA	200A	3	0
Ware GA	200A	8	4,133
Ware GA	304	3	0
Ware GA	304	8	2,107
Ware GA	400	3	4,626
Ware GA	400	8	406

Below is the political subdivisions splits report for the Senate illustrative plan.

User:
Plan Name: **GA Senate Illustrative**
Plan Type: **Reference**

Political Subdivision Splits Between Districts

Saturday, December 3, 2022 3:10 PM

Number of subdivisions not split:

County	125
Voting District	2,649

Number of subdivisions split into more than one district:

County	34
Voting District	49

Number of splits involving no population:

County	0
Voting District	7

Split Counts

County

Cases where an area is split among 2 Districts: 22
Cases where an area is split among 3 Districts: 7
Cases where an area is split among 4 Districts: 1
Cases where an area is split among 6 Districts: 1
Cases where an area is split among 7 Districts: 1
Cases where an area is split among 9 Districts: 1
Cases where an area is split among 10 Districts: 1

Voting District

Cases where an area is split among 2 Districts: 48
Cases where an area is split among 3 Districts: 1

County	Voting District	District	Population
Split Counties:			
Baldwin GA		17	16,966
Baldwin GA		23	26,833
Barrow GA		45	39,217
Barrow GA		46	17,116
Barrow GA		47	27,172
Bartow GA		37	11,130
Bartow GA		52	97,771
Chatham GA		1	81,408
Chatham GA		2	190,408
Chatham GA		4	23,475
Cherokee GA		21	109,034
Cherokee GA		32	90,981
Cherokee GA		56	66,605
Clarke GA		46	52,016
Clarke GA		47	76,655
Clayton GA		25	37,295
Clayton GA		28	19,071
Clayton GA		34	135,995

Political Subdivision Splits Between Districts

GA Senate Illustrative

County	Voting District	District	Population
Clayton GA		44	105,234
Cobb GA		6	97,590
Cobb GA		32	101,467
Cobb GA		33	192,694
Cobb GA		37	181,541
Cobb GA		38	102,964
Cobb GA		56	89,893
Coffee GA		13	19,881
Coffee GA		19	23,211
Columbia GA		22	30,174
Columbia GA		24	125,836
Coweta GA		16	39,894
Coweta GA		28	74,804
Coweta GA		30	31,460
DeKalb GA		10	82,066
DeKalb GA		40	164,997
DeKalb GA		41	183,560
DeKalb GA		42	190,153
DeKalb GA		43	17,660
DeKalb GA		44	60,228
DeKalb GA		55	65,718
Fayette GA		16	45,488
Fayette GA		28	17,678
Fayette GA		34	56,028
Floyd GA		52	85,090
Floyd GA		53	13,494
Forsyth GA		27	190,676
Forsyth GA		48	60,607
Fulton GA		6	94,244
Fulton GA		14	192,533
Fulton GA		21	83,538
Fulton GA		28	78,143
Fulton GA		35	30,198
Fulton GA		36	192,282
Fulton GA		38	87,641
Fulton GA		39	190,184
Fulton GA		48	83,219
Fulton GA		56	34,728
Gordon GA		52	7,938
Gordon GA		54	49,606
Greene GA		17	14,168
Greene GA		23	4,747
Gwinnett GA		5	191,921
Gwinnett GA		7	189,709
Gwinnett GA		9	192,915
Gwinnett GA		40	25,547
Gwinnett GA		41	7,463

Political Subdivision Splits Between Districts

GA Senate Illustrative

County	Voting District	District	Population
Gwinnett GA		45	151,475
Gwinnett GA		46	27,298
Gwinnett GA		48	46,297
Gwinnett GA		55	124,437
Hall GA		49	189,355
Hall GA		50	13,781
Henry GA		10	62,505
Henry GA		25	155,413
Henry GA		44	22,794
Houston GA		18	96,912
Houston GA		20	33,532
Houston GA		26	33,189
Jackson GA		47	56,660
Jackson GA		50	19,247
McDuffie GA		23	12,164
McDuffie GA		24	9,468
Muscogee GA		15	142,205
Muscogee GA		29	64,717
Newton GA		17	9,333
Newton GA		43	103,150
Paulding GA		31	149,902
Paulding GA		35	18,759
Richmond GA		22	158,756
Richmond GA		23	47,851
Rockdale GA		10	22,596
Rockdale GA		43	70,974
Walton GA		17	44,590
Walton GA		46	52,083
Ware GA		3	10,431
Ware GA		8	25,820
White GA		50	12,642
White GA		51	15,361
Wilcox GA		13	5,579
Wilcox GA		20	3,187
Wilkes GA		23	3,747
Wilkes GA		24	5,818
Split VTDs:			
Baldwin GA	NORTH MILLEDGEVILLE	17	2,373
Baldwin GA	NORTH MILLEDGEVILLE	23	991
Baldwin GA	SOUTH MILLEDGEVILLE	17	1,215
Baldwin GA	SOUTH MILLEDGEVILLE	23	2,491
Chatham GA	BLOOMINGDALE COMMUNITY CENTER	1	4,099
Chatham GA	BLOOMINGDALE COMMUNITY CENTER	4	755
Chatham GA	POOLER CHRURCH	1	5,330
Chatham GA	POOLER CHRURCH	4	4,407

Political Subdivision Splits Between Districts

GA Senate Illustrative

County	Voting District	District	Population
Clarke GA	3B	46	5,752
Clarke GA	3B	47	4,194
Clarke GA	6C	46	2,971
Clarke GA	6C	47	2,036
Cobb GA	Dobbins 01	6	6,586
Cobb GA	Dobbins 01	33	6,310
Cobb GA	Dobbins 01	38	505
Cobb GA	Elizabeth 01	32	3,771
Cobb GA	Elizabeth 01	37	2,099
Cobb GA	Kennesaw 1A	32	1,471
Cobb GA	Kennesaw 1A	37	2,972
Cobb GA	Marietta 3A	32	3,439
Cobb GA	Marietta 3A	33	5,460
Cobb GA	Marietta 5A	6	0
Cobb GA	Marietta 5A	33	4,334
Cobb GA	Marietta 6A	6	3,022
Cobb GA	Marietta 6A	32	1,532
Cobb GA	Marietta 7A	6	993
Cobb GA	Marietta 7A	33	5,918
Cobb GA	Nickajack 01	6	2,398
Cobb GA	Nickajack 01	38	3,728
Cobb GA	Norton Park 01	33	7,049
Cobb GA	Norton Park 01	38	752
Cobb GA	Oregon 03	33	12,988
Cobb GA	Oregon 03	37	0
Cobb GA	Powers Ferry 01	6	4,963
Cobb GA	Powers Ferry 01	33	464
Cobb GA	Sewell Mill 03	6	5,051
Cobb GA	Sewell Mill 03	33	1,886
Cobb GA	Smyrna 1A	6	5,341
Cobb GA	Smyrna 1A	38	1,292
Cobb GA	Vinings 02	6	4,624
Cobb GA	Vinings 02	38	5,019
Coffee GA	DOUGLAS	13	12,595
Coffee GA	DOUGLAS	19	15,976
DeKalb GA	Flakes Mill Fire Station	10	2,263
DeKalb GA	Flakes Mill Fire Station	44	396
DeKalb GA	Harris - Narvie J. Harris Elem	10	3,339
DeKalb GA	Harris - Narvie J. Harris Elem	44	1,682
Floyd GA	GARDEN LAKES	52	1,024
Floyd GA	GARDEN LAKES	53	7,817
Forsyth GA	BIG CREEK	27	15,216
Forsyth GA	BIG CREEK	48	10,302
Forsyth GA	POLO	27	24,894
Forsyth GA	POLO	48	964

Political Subdivision Splits Between Districts

GA Senate Illustrative

County	Voting District	District	Population
Fulton GA	RW09	21	2,971
Fulton GA	RW09	56	4,750
Fulton GA	RW12	21	4,274
Fulton GA	RW12	56	3,958
Fulton GA	SC05A	28	681
Fulton GA	SC05A	35	317
Fulton GA	SC08B	28	223
Fulton GA	SC08B	39	5,124
Fulton GA	SC13	28	15
Fulton GA	SC13	35	4,019
Fulton GA	SC18C	35	1,852
Fulton GA	SC18C	39	521
Gordon GA	LILY POND	52	1,641
Gordon GA	LILY POND	54	996
Gwinnett GA	DACULA	45	2,699
Gwinnett GA	DACULA	46	4,613
Gwinnett GA	LAWRENCEVILLE E	5	2,075
Gwinnett GA	LAWRENCEVILLE E	9	1,386
Gwinnett GA	PINCKNEYVILLE W	5	5,605
Gwinnett GA	PINCKNEYVILLE W	7	2,701
Hall GA	GLADE	49	5,135
Hall GA	GLADE	50	1,735
Hall GA	TADMORE	49	4,129
Hall GA	TADMORE	50	10,220
Houston GA	RECR	20	0
Houston GA	RECR	26	17,798
Jackson GA	Central Jackson	47	24,383
Jackson GA	Central Jackson	50	0
Jackson GA	North Jackson	47	0
Jackson GA	North Jackson	50	19,247
Muscogee GA	COLUMBUS TECH	15	6,919
Muscogee GA	COLUMBUS TECH	29	2,228
Paulding GA	AUSTIN MIDDLE SCHOOL	31	971
Paulding GA	AUSTIN MIDDLE SCHOOL	35	9,922
Paulding GA	TAYLOR FARM PARK	31	4,596
Paulding GA	TAYLOR FARM PARK	35	8,837
Ware GA	100	3	2,672
Ware GA	100	8	3,692
Ware GA	200A	3	0
Ware GA	200A	8	4,133
Ware GA	304	3	0
Ware GA	304	8	2,107
Ware GA	400	3	4,626
Ware GA	400	8	406
Wilcox GA	ROCHELLE SOUTH	13	786
Wilcox GA	ROCHELLE SOUTH	20	794

Esselstyn Report: Attachment I

Proposed Georgia House Districts

Client: H097
Plan: House-prop1-2021
Type: House

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

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Map layers
District Layer
County
0 20 40
Miles

Proposed Georgia House Districts

Client: H097
Plan: House-prop1-2021
Type: House

Proposed Georgia House Districts

Client: H097
Plan: House-prop1-2021
Type: House

Proposed Georgia House Districts

Client: H097
Plan: House-prop1-2021
Type: House

User: **H097**
Plan Name: **House-prop1-2021**
Plan Type: **House**

Population Summary

Summary Statistics:

Population Range:	58,678 to 60,308
Ratio Range:	0.03
Absolute Range:	-833 to 797
Absolute Overall Range:	1,630
Relative Range:	-1.40% to 1.34%
Relative Overall Range:	2.74%
Absolute Mean Deviation:	363.71
Relative Mean Deviation:	0.61%
Standard Deviation:	417.67

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	59,666	155	0.26%	46,801	78.44%	87.88%	3.9%	2.59%	0.53%	0.31%	0.04%	0.3%	4.45%
002	59,773	262	0.44%	46,159	77.22%	83.24%	2.56%	9.09%	1.1%	0.18%	0.02%	0.26%	3.55%
003	60,199	688	1.16%	46,716	77.6%	86.9%	2.82%	3.6%	1.63%	0.27%	0.14%	0.18%	4.46%
004	59,070	-441	-0.74%	42,798	72.45%	42.01%	4.17%	50.07%	1.23%	0.17%	0.02%	0.28%	2.05%
005	58,837	-674	-1.13%	44,623	75.84%	75.46%	3.76%	15.29%	1.24%	0.2%	0.02%	0.22%	3.81%
006	59,712	201	0.34%	45,152	75.62%	80.15%	1.01%	14.51%	0.51%	0.2%	0.01%	0.2%	3.4%
007	59,081	-430	-0.72%	48,771	82.55%	87.97%	0.37%	7.43%	0.45%	0.26%	0.01%	0.24%	3.27%
008	59,244	-267	-0.45%	49,612	83.74%	90.8%	1.13%	3.21%	0.54%	0.3%	0.01%	0.34%	3.67%
009	59,474	-37	-0.06%	48,273	81.17%	87.78%	1.01%	5.49%	0.79%	0.37%	0.06%	0.36%	4.15%
010	59,519	8	0.01%	47,164	79.24%	78.61%	2.97%	13.11%	1.51%	0.17%	0.06%	0.24%	3.33%
011	58,792	-719	-1.21%	45,396	77.21%	87.43%	1.55%	5.33%	1.15%	0.22%	0.02%	0.3%	4%
012	59,300	-211	-0.35%	46,487	78.39%	78.45%	8.61%	7.68%	1.01%	0.16%	0.01%	0.42%	3.68%
013	59,150	-361	-0.61%	45,176	76.38%	62.24%	18.71%	13.52%	1.29%	0.22%	0.03%	0.33%	3.65%
014	59,135	-376	-0.63%	45,511	76.96%	81.38%	5.86%	7.04%	0.77%	0.21%	0.03%	0.34%	4.36%
015	59,213	-298	-0.50%	45,791	77.33%	68.38%	13.61%	11.74%	1.3%	0.25%	0.04%	0.49%	4.19%
016	59,402	-109	-0.18%	44,009	74.09%	72.9%	11.15%	10.95%	0.76%	0.22%	0.05%	0.43%	3.54%
017	59,120	-391	-0.66%	42,761	72.33%	63.28%	22.06%	7.9%	1.33%	0.23%	0.07%	0.64%	4.49%
018	59,335	-176	-0.30%	45,159	76.11%	84.78%	7.11%	2.93%	0.59%	0.23%	0.04%	0.35%	3.97%
019	58,955	-556	-0.93%	44,299	75.14%	62.06%	23.47%	7.87%	1.14%	0.25%	0.08%	0.64%	4.49%
020	60,107	596	1.00%	45,725	76.07%	73.93%	8.13%	10.6%	1.97%	0.16%	0.04%	0.63%	4.54%
021	59,529	18	0.03%	44,931	75.48%	80.04%	4.29%	8.54%	1.84%	0.19%	0.04%	0.66%	4.4%
022	59,460	-51	-0.09%	45,815	77.05%	62.53%	13.94%	13.26%	3.86%	0.2%	0.03%	0.81%	5.37%
023	59,048	-463	-0.78%	44,254	74.95%	71.47%	5.64%	17.19%	1.06%	0.22%	0.04%	0.36%	4.01%
024	59,011	-500	-0.84%	41,814	70.86%	60.13%	6%	11.36%	17.65%	0.21%	0.04%	0.62%	3.98%
025	59,414	-97	-0.16%	42,520	71.57%	51.99%	5%	5.42%	33.55%	0.15%	0.03%	0.51%	3.36%
026	59,248	-263	-0.44%	44,081	74.4%	63.48%	3.29%	12.07%	16.8%	0.18%	0.04%	0.5%	3.64%
027	58,795	-716	-1.20%	46,004	78.24%	79.69%	3.22%	11.82%	0.82%	0.19%	0.04%	0.3%	3.91%
028	58,972	-539	-0.91%	44,444	75.36%	76.5%	3.39%	13.59%	2.06%	0.16%	0.03%	0.4%	3.86%
029	59,200	-311	-0.52%	43,131	72.86%	36.05%	12.13%	46.28%	2.72%	0.12%	0.06%	0.41%	2.23%

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	59,266	-245	-0.41%	45,414	76.63%	67.03%	7.37%	18.78%	3.04%	0.15%	0.03%	0.34%	3.26%
031	59,901	390	0.66%	43,120	71.99%	65.57%	6.64%	21.63%	2.27%	0.19%	0.02%	0.37%	3.31%
032	59,145	-366	-0.62%	45,942	77.68%	80.8%	7.24%	6.03%	1.26%	0.29%	0.05%	0.25%	4.09%
033	59,187	-324	-0.54%	46,498	78.56%	79.94%	10.97%	4.08%	1.2%	0.15%	0.01%	0.36%	3.29%
034	59,875	364	0.61%	45,758	76.42%	66.59%	14.46%	9.06%	4.41%	0.11%	0.04%	0.68%	4.65%
035	59,889	378	0.64%	48,312	80.67%	50.12%	26.55%	12.7%	4.43%	0.21%	0.04%	0.9%	5.04%
036	59,994	483	0.81%	44,911	74.86%	68.01%	16.01%	7.46%	3.07%	0.14%	0.03%	0.73%	4.55%
037	59,176	-335	-0.56%	46,223	78.11%	42.2%	26%	21.96%	4.5%	0.21%	0.03%	1%	4.11%
038	59,317	-194	-0.33%	44,839	75.59%	25.93%	52.72%	14.72%	1.77%	0.22%	0.07%	0.7%	3.88%
039	59,381	-130	-0.22%	44,436	74.83%	20.6%	52.08%	21.79%	1.5%	0.14%	0.03%	0.65%	3.2%
040	59,044	-467	-0.78%	47,976	81.25%	48.94%	30.78%	6.43%	8.54%	0.17%	0.02%	0.7%	4.43%
041	60,122	611	1.03%	45,271	75.3%	23.42%	36.44%	33.22%	2.81%	0.18%	0.05%	0.86%	3.02%
042	59,620	109	0.18%	48,525	81.39%	35.47%	31.18%	20.49%	7.11%	0.19%	0.03%	1.15%	4.37%
043	59,464	-47	-0.08%	47,033	79.09%	43.32%	24.35%	15.85%	7.83%	0.21%	0.09%	2.4%	5.96%
044	60,002	491	0.83%	46,773	77.95%	64.71%	10.98%	11.99%	5.71%	0.18%	0.02%	1.17%	5.24%
045	59,738	227	0.38%	44,023	73.69%	72.29%	4.14%	5.5%	12.94%	0.07%	0.02%	0.67%	4.38%
046	59,108	-403	-0.68%	44,132	74.66%	72.43%	6.76%	8.24%	6.93%	0.12%	0.04%	0.82%	4.66%
047	59,126	-385	-0.65%	43,932	74.3%	61.71%	9.44%	7.83%	15.91%	0.2%	0.03%	0.7%	4.17%
048	59,003	-508	-0.85%	44,779	75.89%	59.05%	10.16%	14.1%	11.77%	0.08%	0.05%	0.64%	4.16%
049	59,153	-358	-0.60%	45,263	76.52%	68.94%	7.2%	7.56%	11.41%	0.1%	0.02%	0.68%	4.09%
050	59,523	12	0.02%	43,940	73.82%	41.55%	11.04%	7.06%	35.46%	0.09%	0.04%	0.66%	4.1%
051	58,952	-559	-0.94%	47,262	80.17%	51.02%	21.93%	15.47%	5.83%	0.17%	0.04%	1.03%	4.51%
052	59,811	300	0.50%	48,525	81.13%	53.81%	13.71%	7.98%	19.72%	0.14%	0.06%	0.72%	3.86%
053	59,953	442	0.74%	46,944	78.3%	70.3%	12.31%	8.2%	4.46%	0.1%	0.02%	0.63%	3.98%
054	60,083	572	0.96%	50,338	83.78%	61.03%	12.98%	15.17%	6.51%	0.14%	0.03%	0.57%	3.56%
055	59,971	460	0.77%	49,255	82.13%	33.78%	54.54%	5.14%	2.85%	0.18%	0.03%	0.4%	3.09%
056	58,929	-582	-0.98%	52,757	89.53%	34.03%	46.33%	5.81%	9.32%	0.18%	0.07%	0.45%	3.8%
057	59,969	458	0.77%	52,097	86.87%	62.89%	15.57%	8.83%	7.58%	0.11%	0.02%	0.65%	4.36%
058	59,057	-454	-0.76%	50,514	85.53%	24.98%	63.09%	5.03%	2.76%	0.14%	0.03%	0.51%	3.45%
059	59,434	-77	-0.13%	49,179	82.75%	19.37%	69.55%	4.45%	2.52%	0.16%	0.02%	0.56%	3.36%
060	59,709	198	0.33%	45,490	76.19%	26.72%	61.76%	5.87%	2.04%	0.17%	0.05%	0.44%	2.96%
061	59,302	-209	-0.35%	45,447	76.64%	14.79%	71.51%	9.1%	0.87%	0.15%	0.06%	0.54%	2.98%
062	59,450	-61	-0.10%	46,426	78.09%	17.17%	70.09%	7.61%	1.13%	0.21%	0.04%	0.53%	3.22%
063	59,381	-130	-0.22%	45,043	75.85%	16.74%	68%	10.42%	1.32%	0.21%	0.03%	0.51%	2.78%
064	58,986	-525	-0.88%	44,189	74.91%	54.76%	29.35%	8.84%	1.37%	0.27%	0.03%	0.78%	4.6%
065	59,464	-47	-0.08%	44,386	74.64%	29.55%	60.08%	5.23%	1.08%	0.18%	0.06%	0.57%	3.27%
066	59,047	-464	-0.78%	44,278	74.99%	29.98%	52.03%	11.05%	1.72%	0.24%	0.07%	0.79%	4.11%
067	59,135	-376	-0.63%	44,299	74.91%	29.09%	57.14%	8.71%	1.29%	0.18%	0.03%	0.5%	3.06%
068	59,477	-34	-0.06%	44,835	75.38%	31.15%	54.67%	7.3%	2.79%	0.16%	0.04%	0.7%	3.19%
069	58,682	-829	-1.39%	45,548	77.62%	24.1%	61.87%	6.47%	3.04%	0.17%	0.04%	0.89%	3.41%
070	59,121	-390	-0.66%	45,249	76.54%	56.51%	27.61%	9.08%	2.17%	0.2%	0.05%	0.47%	3.9%
071	59,538	27	0.05%	44,582	74.88%	67.15%	18.89%	7.44%	0.96%	0.25%	0.02%	0.51%	4.78%
072	59,660	149	0.25%	46,229	77.49%	67.26%	19.34%	8.16%	0.96%	0.2%	0.02%	0.3%	3.75%
073	60,036	525	0.88%	45,736	76.18%	69.92%	11.27%	7.96%	5.88%	0.15%	0.03%	0.52%	4.26%

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]
074	58,956	-555	-0.93%	44,696	75.81%	61.32%	25.24%	6.67%	2.05%	0.2%	0.02%	0.52%	3.98%
075	59,743	232	0.39%	43,850	73.4%	9.24%	71.27%	12.97%	2.66%	0.19%	0.06%	0.71%	2.9%
076	59,759	248	0.42%	44,371	74.25%	8.61%	64.24%	15.61%	8.11%	0.19%	0.04%	0.57%	2.63%
077	59,242	-269	-0.45%	44,207	74.62%	6.22%	72.49%	14.22%	4.03%	0.22%	0.06%	0.5%	2.27%
078	59,044	-467	-0.78%	44,572	75.49%	12.69%	69.39%	9.94%	4.03%	0.19%	0.03%	0.65%	3.08%
079	59,500	-11	-0.02%	43,223	72.64%	5.69%	68.19%	18.11%	4.87%	0.21%	0.01%	0.57%	2.34%
080	59,461	-50	-0.08%	44,784	75.32%	45.02%	11.65%	26.17%	13.02%	0.08%	0.04%	0.63%	3.39%
081	59,007	-504	-0.85%	46,259	78.4%	44.28%	18.64%	24.58%	8.14%	0.14%	0.02%	0.55%	3.65%
082	59,724	213	0.36%	50,238	84.12%	61.86%	14.34%	7.52%	11.03%	0.11%	0.03%	0.65%	4.46%
083	59,416	-95	-0.16%	46,581	78.4%	44.13%	12.06%	33.75%	6.29%	0.1%	0.02%	0.61%	3.03%
084	59,862	351	0.59%	47,350	79.1%	21.11%	69.74%	3.4%	1.4%	0.16%	0.03%	0.59%	3.58%
085	59,373	-138	-0.23%	46,308	78%	17.08%	60.18%	5.99%	12.29%	0.25%	0.02%	0.68%	3.5%
086	59,205	-306	-0.51%	44,614	75.36%	10.6%	71.76%	4.64%	9.02%	0.15%	0.02%	0.67%	3.14%
087	59,709	198	0.33%	45,615	76.4%	11.48%	70.08%	7.73%	6.46%	0.21%	0.02%	0.7%	3.33%
088	59,689	178	0.30%	46,073	77.19%	15.98%	60.71%	11.46%	7.49%	0.23%	0.06%	0.68%	3.39%
089	59,866	355	0.60%	46,198	77.17%	30.38%	59.77%	3.8%	1.78%	0.15%	0.03%	0.48%	3.6%
090	59,812	301	0.51%	48,015	80.28%	32.08%	57.15%	4.65%	1.58%	0.12%	0.03%	0.62%	3.76%
091	60,050	539	0.91%	46,173	76.89%	19.7%	67.92%	7%	1.39%	0.17%	0.04%	0.54%	3.25%
092	60,273	762	1.28%	46,551	77.23%	20.98%	67.63%	5.49%	1.58%	0.16%	0.04%	0.74%	3.39%
093	60,118	607	1.02%	44,734	74.41%	19.94%	63.27%	11.24%	1.34%	0.16%	0.1%	0.69%	3.26%
094	59,211	-300	-0.50%	44,809	75.68%	16.38%	65.88%	8.72%	4.85%	0.19%	0.02%	0.58%	3.37%
095	60,030	519	0.87%	44,948	74.88%	18.79%	64.99%	9.32%	2.29%	0.19%	0.05%	0.73%	3.63%
096	59,515	4	0.01%	44,671	75.06%	17.47%	20.71%	40.49%	17.64%	0.15%	0.06%	0.72%	2.76%
097	59,072	-439	-0.74%	46,339	78.44%	33.19%	25.12%	21.86%	15%	0.19%	0.05%	0.68%	3.92%
098	59,998	487	0.82%	42,734	71.23%	9.69%	19.56%	57.42%	10.69%	0.13%	0.05%	0.6%	1.86%
099	59,850	339	0.57%	45,004	75.19%	39.77%	13.49%	9.52%	32.49%	0.15%	0.04%	0.56%	3.98%
100	60,030	519	0.87%	42,669	71.08%	55.88%	9.01%	10.85%	19.49%	0.18%	0.05%	0.53%	4.01%
101	59,938	427	0.72%	46,584	77.72%	37.36%	22.37%	20.17%	15.23%	0.16%	0.05%	0.7%	3.96%
102	58,959	-552	-0.93%	42,968	72.88%	26.79%	36.41%	23.45%	8.97%	0.22%	0.03%	0.69%	3.44%
103	60,197	686	1.15%	44,399	73.76%	49.51%	15.16%	19.06%	11.68%	0.13%	0.04%	0.61%	3.81%
104	59,362	-149	-0.25%	43,306	72.95%	60.44%	15.61%	12.64%	6.32%	0.16%	0.04%	0.6%	4.2%
105	59,344	-167	-0.28%	43,474	73.26%	38.89%	27.8%	18.1%	10.56%	0.1%	0.03%	0.65%	3.88%
106	59,112	-399	-0.67%	43,890	74.25%	36.66%	35.66%	12.66%	9.78%	0.17%	0.03%	0.81%	4.23%
107	59,702	191	0.32%	44,509	74.55%	19.03%	27.46%	34.49%	15.45%	0.16%	0.03%	0.64%	2.73%
108	59,577	66	0.11%	44,308	74.37%	38.96%	17.34%	20.98%	18.06%	0.17%	0.03%	0.67%	3.78%
109	59,630	119	0.20%	44,140	74.02%	13.5%	29.44%	39.32%	14.39%	0.14%	0.05%	0.63%	2.54%
110	59,951	440	0.74%	43,226	72.1%	32.7%	45.9%	11.87%	4.49%	0.18%	0.04%	0.84%	3.97%
111	60,009	498	0.84%	44,096	73.48%	60.53%	21.74%	10.37%	2.5%	0.18%	0.04%	0.73%	3.91%
112	59,349	-162	-0.27%	45,120	76.02%	71.55%	18.88%	4%	1.27%	0.2%	0.04%	0.47%	3.59%
113	60,053	542	0.91%	44,538	74.16%	28.82%	57.75%	7.78%	0.79%	0.14%	0.12%	0.62%	3.98%
114	59,867	356	0.60%	45,872	76.62%	66.9%	23.89%	4.53%	0.7%	0.18%	0.03%	0.45%	3.33%
115	60,174	663	1.11%	44,807	74.46%	33.12%	51.3%	7.88%	2.67%	0.17%	0.04%	0.81%	4%
116	59,913	402	0.68%	45,791	76.43%	23.87%	56.71%	8.14%	6.39%	0.18%	0.08%	0.83%	3.81%
117	60,130	619	1.04%	44,973	74.79%	51.61%	35.88%	6.28%	1.53%	0.17%	0.04%	0.59%	3.9%

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]
118	59,987	476	0.80%	46,342	77.25%	68.26%	22.55%	4.5%	0.43%	0.18%	0.02%	0.47%	3.59%
119	58,947	-564	-0.95%	44,005	74.65%	66.88%	12.47%	12.17%	3.83%	0.16%	0.02%	0.58%	3.89%
120	58,982	-529	-0.89%	46,767	79.29%	69.85%	13.48%	8.42%	4.05%	0.15%	0.05%	0.5%	3.49%
121	59,127	-384	-0.65%	46,598	78.81%	75.06%	8.66%	6.27%	5.64%	0.11%	0%	0.53%	3.73%
122	59,632	121	0.20%	48,840	81.9%	49.13%	30.63%	13.78%	2.13%	0.28%	0.06%	0.86%	3.13%
123	59,282	-229	-0.38%	46,572	78.56%	65.88%	23.82%	5.33%	1.14%	0.17%	0.02%	0.26%	3.39%
124	59,221	-290	-0.49%	47,638	80.44%	61.53%	26.06%	7.57%	1.14%	0.19%	0.02%	0.37%	3.12%
125	60,137	626	1.05%	43,812	72.85%	60%	21.67%	8.93%	2.4%	0.29%	0.19%	0.52%	5.99%
126	59,260	-251	-0.42%	45,497	76.78%	37.81%	53.88%	3.63%	0.76%	0.27%	0.15%	0.37%	3.13%
127	58,678	-833	-1.40%	45,889	78.2%	65.92%	17.12%	5.58%	5.63%	0.18%	0.18%	0.51%	4.88%
128	58,864	-647	-1.09%	46,488	78.98%	44.14%	51%	1.91%	0.36%	0.19%	0.03%	0.17%	2.22%
129	58,829	-682	-1.15%	46,873	79.68%	33.83%	54.95%	4.74%	2.1%	0.21%	0.14%	0.43%	3.6%
130	59,203	-308	-0.52%	44,019	74.35%	30.19%	60.27%	4.33%	0.79%	0.24%	0.16%	0.42%	3.6%
131	58,890	-621	-1.04%	42,968	72.96%	65.57%	15.99%	7.07%	4.92%	0.19%	0.14%	0.61%	5.51%
132	59,142	-369	-0.62%	46,752	79.05%	33.1%	51.88%	7.91%	2.38%	0.26%	0.19%	0.37%	3.91%
133	59,202	-309	-0.52%	47,222	79.76%	56.35%	37.05%	2.42%	1.12%	0.15%	0.04%	0.38%	2.48%
134	59,396	-115	-0.19%	45,110	75.95%	56.72%	34.18%	4.39%	0.74%	0.22%	0.02%	0.35%	3.37%
135	60,063	552	0.93%	46,725	77.79%	70.69%	22.83%	2.21%	0.51%	0.16%	0.01%	0.33%	3.25%
136	59,298	-213	-0.36%	45,367	76.51%	62.16%	28%	4.4%	1.54%	0.24%	0.03%	0.42%	3.21%
137	59,551	40	0.07%	45,358	76.17%	38.1%	51.27%	5.17%	1.66%	0.12%	0.14%	0.37%	3.17%
138	58,912	-599	-1.01%	45,684	77.55%	70.29%	18.77%	4.1%	2.39%	0.25%	0.06%	0.36%	3.77%
139	59,010	-501	-0.84%	45,522	77.14%	63.55%	19.18%	7.24%	4.03%	0.25%	0.21%	0.59%	4.96%
140	59,294	-217	-0.36%	44,411	74.9%	28.76%	55.8%	9.04%	1.02%	0.27%	0.24%	0.53%	4.34%
141	59,019	-492	-0.83%	44,677	75.7%	29.41%	54.88%	7.93%	2.53%	0.24%	0.3%	0.45%	4.25%
142	59,608	97	0.16%	44,584	74.8%	30.78%	60.48%	4.23%	1.29%	0.16%	0.01%	0.36%	2.68%
143	59,469	-42	-0.07%	46,390	78.01%	29.08%	61.66%	4.87%	0.97%	0.19%	0.05%	0.36%	2.82%
144	59,232	-279	-0.47%	46,370	78.29%	60.82%	29.32%	2.91%	3.46%	0.14%	0.02%	0.36%	2.97%
145	59,863	352	0.59%	45,844	76.58%	51.64%	35.66%	7.02%	0.9%	0.28%	0.04%	0.41%	4.05%
146	60,203	692	1.16%	44,589	74.06%	59.32%	26.73%	5.66%	2.67%	0.17%	0.09%	0.45%	4.91%
147	59,178	-333	-0.56%	44,902	75.88%	51.94%	29.55%	8.3%	4.76%	0.23%	0.07%	0.51%	4.64%
148	59,984	473	0.79%	46,614	77.71%	58.49%	33.89%	3.66%	0.9%	0.12%	0.04%	0.28%	2.63%
149	58,893	-618	-1.04%	46,821	79.5%	60.01%	31.14%	5.61%	0.57%	0.17%	0.03%	0.2%	2.28%
150	59,276	-235	-0.39%	47,050	79.37%	36.16%	53.23%	7.23%	1.17%	0.17%	0.03%	0.17%	1.85%
151	60,059	548	0.92%	46,973	78.21%	45.21%	42.21%	7.51%	1.29%	0.18%	0.23%	0.25%	3.12%
152	60,134	623	1.05%	46,026	76.54%	66.12%	25.86%	2.84%	1.6%	0.21%	0.03%	0.3%	3.03%
153	59,299	-212	-0.36%	45,692	77.05%	24.38%	69.08%	2.93%	0.89%	0.13%	0.02%	0.24%	2.33%
154	59,994	483	0.81%	47,273	78.8%	39.54%	55.53%	2.1%	0.38%	0.16%	0.01%	0.2%	2.09%
155	58,759	-752	-1.26%	45,208	76.94%	57.32%	36.14%	2.62%	0.91%	0.18%	0.05%	0.26%	2.52%
156	59,444	-67	-0.11%	45,867	77.16%	58.49%	29.79%	8.27%	0.6%	0.17%	0.01%	0.25%	2.42%
157	59,957	446	0.75%	45,311	75.57%	61.81%	23.59%	11.19%	0.54%	0.16%	0.04%	0.21%	2.47%
158	59,440	-71	-0.12%	45,549	76.63%	59.27%	31.5%	5.6%	0.75%	0.18%	0.03%	0.25%	2.42%
159	59,895	384	0.65%	44,871	74.92%	67.46%	23.88%	3.65%	0.54%	0.28%	0.03%	0.34%	3.82%
160	59,935	424	0.71%	48,057	80.18%	66.84%	21.68%	5.5%	1.62%	0.24%	0.1%	0.28%	3.76%
161	60,097	586	0.98%	44,371	73.83%	57.53%	25.83%	7.89%	3.03%	0.24%	0.09%	0.5%	4.9%

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]
162	60,308	797	1.34%	46,733	77.49%	36.7%	43.34%	10.78%	4%	0.2%	0.24%	0.54%	4.19%
163	60,123	612	1.03%	48,461	80.6%	38.48%	46.14%	8.45%	3.12%	0.19%	0.13%	0.39%	3.1%
164	60,101	590	0.99%	45,851	76.29%	57.7%	22.03%	9.95%	4.21%	0.24%	0.12%	0.68%	5.08%
165	59,978	467	0.78%	48,247	80.44%	35.1%	52.41%	5.53%	3.19%	0.22%	0.14%	0.38%	3.02%
166	60,242	731	1.23%	47,580	78.98%	82.79%	4.94%	5.19%	2.65%	0.16%	0.05%	0.4%	3.82%
167	59,493	-18	-0.03%	44,140	74.19%	62.89%	20.99%	8.81%	1.42%	0.35%	0.23%	0.5%	4.79%
168	60,147	636	1.07%	44,867	74.6%	36.24%	43.3%	11.22%	1.98%	0.31%	0.67%	0.48%	5.79%
169	59,138	-373	-0.63%	45,267	76.54%	58.36%	28.84%	9.03%	0.79%	0.15%	0.02%	0.2%	2.6%
170	60,116	605	1.02%	45,316	75.38%	60.65%	24.39%	10.43%	1.19%	0.13%	0.02%	0.28%	2.91%
171	59,237	-274	-0.46%	45,969	77.6%	51.23%	39.79%	5.73%	0.54%	0.21%	0.03%	0.21%	2.26%
172	59,961	450	0.76%	44,756	74.64%	57.24%	23.26%	16%	0.77%	0.21%	0.03%	0.23%	2.27%
173	59,743	232	0.39%	45,292	75.81%	52.67%	36.22%	6.95%	0.79%	0.33%	0.02%	0.3%	2.72%
174	59,852	341	0.57%	45,760	76.46%	70.83%	16.91%	7.88%	0.47%	0.35%	0.04%	0.22%	3.3%
175	59,993	482	0.81%	44,704	74.52%	64.08%	23.75%	6.1%	1.78%	0.26%	0.07%	0.34%	3.64%
176	59,470	-41	-0.07%	44,991	75.65%	63.56%	21.74%	9.95%	0.91%	0.24%	0.08%	0.29%	3.23%
177	59,992	481	0.81%	46,014	76.7%	33.22%	54.7%	6.69%	1.26%	0.21%	0.07%	0.42%	3.42%
178	59,877	366	0.62%	45,638	76.22%	75.62%	14.4%	6.22%	0.52%	0.18%	0.01%	0.29%	2.76%
179	59,356	-155	-0.26%	47,156	79.45%	59.03%	28.39%	7.73%	1.06%	0.17%	0.13%	0.39%	3.11%
180	59,412	-99	-0.17%	45,362	76.35%	68.71%	16.96%	6.47%	1.56%	0.32%	0.11%	0.57%	5.3%

Total: **10,711,908**
Ideal District: **59,511**

User: **H097**
Plan Name: **House-prop1-2021**
Plan Type: **House**

Population Summary

Summary Statistics:

Population Range:	58,678 to 60,308
Ratio Range:	0.03
Absolute Range:	-833 to 797
Absolute Overall Range:	1,630
Relative Range:	-1.40% to 1.34%
Relative Overall Range:	2.74%
Absolute Mean Deviation:	363.71
Relative Mean Deviation:	0.61%
Standard Deviation:	417.67

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	59,666	155	0.26%	46,801	78.44%	89.43%	3.65%	2.11%	0.57%	0.32%	0.05%	0.21%	3.65%
002	59,773	262	0.44%	46,159	77.22%	85.33%	2.64%	7.57%	1.07%	0.2%	0.02%	0.2%	2.97%
003	60,199	688	1.16%	46,716	77.6%	88.46%	2.71%	2.96%	1.56%	0.28%	0.14%	0.14%	3.77%
004	59,070	-441	-0.74%	42,798	72.45%	47.78%	4.53%	44.13%	1.28%	0.19%	0.02%	0.21%	1.86%
005	58,837	-674	-1.13%	44,623	75.84%	78.55%	3.81%	12.62%	1.26%	0.22%	0.03%	0.19%	3.31%
006	59,712	201	0.34%	45,152	75.62%	83%	1%	11.96%	0.51%	0.25%	0.02%	0.17%	3.09%
007	59,081	-430	-0.72%	48,771	82.55%	90.15%	0.34%	5.53%	0.46%	0.27%	0.01%	0.21%	3.02%
008	59,244	-267	-0.45%	49,612	83.74%	91.87%	1.12%	2.74%	0.54%	0.3%	0%	0.29%	3.13%
009	59,474	-37	-0.06%	48,273	81.17%	88.93%	1.06%	4.74%	0.83%	0.41%	0.06%	0.33%	3.64%
010	59,519	8	0.01%	47,164	79.24%	81.82%	3.19%	10.04%	1.58%	0.18%	0.03%	0.21%	2.95%
011	58,792	-719	-1.21%	45,396	77.21%	89.31%	1.43%	4.23%	1.06%	0.23%	0.03%	0.27%	3.44%
012	59,300	-211	-0.35%	46,487	78.39%	80.42%	8.94%	6.15%	1.01%	0.18%	0%	0.33%	2.97%
013	59,150	-361	-0.61%	45,176	76.38%	66.3%	18.03%	10.84%	1.36%	0.22%	0.02%	0.26%	2.97%
014	59,135	-376	-0.63%	45,511	76.96%	83.02%	6.06%	5.88%	0.8%	0.25%	0.02%	0.31%	3.65%
015	59,213	-298	-0.50%	45,791	77.33%	71.9%	13.11%	9.67%	1.36%	0.27%	0.03%	0.36%	3.3%
016	59,402	-109	-0.18%	44,009	74.09%	76.42%	10.83%	8.61%	0.79%	0.21%	0.05%	0.32%	2.76%
017	59,120	-391	-0.66%	42,761	72.33%	66.02%	21.24%	6.94%	1.41%	0.25%	0.06%	0.54%	3.55%
018	59,335	-176	-0.30%	45,159	76.11%	86.01%	7.17%	2.39%	0.62%	0.26%	0.04%	0.26%	3.24%
019	58,955	-556	-0.93%	44,299	75.14%	65.37%	22.26%	6.8%	1.21%	0.21%	0.07%	0.48%	3.59%
020	60,107	596	1.00%	45,725	76.07%	76.4%	7.96%	9.18%	2.03%	0.14%	0.04%	0.55%	3.7%
021	59,529	18	0.03%	44,931	75.48%	82.07%	4.23%	7.44%	1.87%	0.22%	0.05%	0.61%	3.51%
022	59,460	-51	-0.09%	45,815	77.05%	65.61%	13.32%	11.57%	4.04%	0.21%	0.03%	0.76%	4.47%
023	59,048	-463	-0.78%	44,254	74.95%	75.29%	5.48%	14.23%	1.12%	0.21%	0.05%	0.32%	3.3%
024	59,011	-500	-0.84%	41,814	70.86%	63.42%	6.04%	10.32%	16.41%	0.17%	0.05%	0.56%	3.03%
025	59,414	-97	-0.16%	42,520	71.57%	56.12%	5.08%	5.09%	30.56%	0.1%	0.03%	0.45%	2.56%
026	59,248	-263	-0.44%	44,081	74.4%	68.21%	3.18%	10.76%	14.26%	0.12%	0.04%	0.44%	2.99%
027	58,795	-716	-1.20%	46,004	78.24%	82.61%	3.07%	9.6%	0.83%	0.2%	0.04%	0.24%	3.4%
028	58,972	-539	-0.91%	44,444	75.36%	79.36%	3.15%	11.44%	2.16%	0.17%	0.03%	0.36%	3.33%

Population Summary

House-prop1-2021

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	59,200	-311	-0.52%	43,131	72.86%	42.29%	12.55%	39.71%	3.02%	0.14%	0.06%	0.33%	1.91%
030	59,266	-245	-0.41%	45,414	76.63%	70.5%	7.19%	16.13%	2.96%	0.15%	0.02%	0.28%	2.77%
031	59,901	390	0.66%	43,120	71.99%	68.65%	6.79%	18.95%	2.35%	0.21%	0.03%	0.32%	2.69%
032	59,145	-366	-0.62%	45,942	77.68%	82.98%	7.21%	4.87%	1.25%	0.32%	0.05%	0.2%	3.12%
033	59,187	-324	-0.54%	46,498	78.56%	82.25%	10.57%	3.13%	1.16%	0.15%	0.01%	0.29%	2.43%
034	59,875	364	0.61%	45,758	76.42%	69.23%	14.11%	7.85%	4.43%	0.12%	0.03%	0.65%	3.58%
035	59,889	378	0.64%	48,312	80.67%	53.63%	25.59%	11.15%	4.58%	0.19%	0.05%	0.77%	4.04%
036	59,994	483	0.81%	44,911	74.86%	70.77%	15.48%	6.51%	3.02%	0.15%	0.04%	0.6%	3.44%
037	59,176	-335	-0.56%	46,223	78.11%	46.26%	25.84%	18.64%	4.61%	0.21%	0.02%	0.91%	3.52%
038	59,317	-194	-0.33%	44,839	75.59%	30.1%	51.13%	12.62%	1.87%	0.24%	0.05%	0.63%	3.36%
039	59,381	-130	-0.22%	44,436	74.83%	23.47%	52.5%	18.66%	1.77%	0.17%	0.03%	0.6%	2.79%
040	59,044	-467	-0.78%	47,976	81.25%	51.14%	30.35%	5.92%	8.24%	0.15%	0.01%	0.63%	3.55%
041	60,122	611	1.03%	45,271	75.3%	27.62%	36.96%	28.55%	3.13%	0.22%	0.05%	0.84%	2.62%
042	59,620	109	0.18%	48,525	81.39%	39%	30.85%	17.38%	7.45%	0.2%	0.04%	1.14%	3.94%
043	59,464	-47	-0.08%	47,033	79.09%	46.31%	24.03%	14.15%	7.62%	0.21%	0.09%	2.27%	5.32%
044	60,002	491	0.83%	46,773	77.95%	67.69%	10.5%	10.53%	5.78%	0.2%	0.02%	1.06%	4.23%
045	59,738	227	0.38%	44,023	73.69%	74.94%	4.27%	4.85%	12.05%	0.05%	0.02%	0.59%	3.23%
046	59,108	-403	-0.68%	44,132	74.66%	74.81%	6.79%	7.38%	6.72%	0.13%	0.04%	0.61%	3.53%
047	59,126	-385	-0.65%	43,932	74.3%	63.89%	9.3%	7.37%	15.16%	0.17%	0.03%	0.62%	3.46%
048	59,003	-508	-0.85%	44,779	75.89%	61.77%	10.14%	12.41%	11.59%	0.08%	0.04%	0.56%	3.42%
049	59,153	-358	-0.60%	45,263	76.52%	71.48%	7.22%	6.7%	10.74%	0.1%	0.03%	0.63%	3.12%
050	59,523	12	0.02%	43,940	73.82%	44.37%	10.8%	6.36%	34.63%	0.07%	0.05%	0.58%	3.13%
051	58,952	-559	-0.94%	47,262	80.17%	54.33%	21.3%	13.31%	5.93%	0.18%	0.05%	1.01%	3.89%
052	59,811	300	0.50%	48,525	81.13%	55.14%	14.19%	7.41%	19.12%	0.14%	0.07%	0.68%	3.24%
053	59,953	442	0.74%	46,944	78.3%	71.2%	12.71%	7.44%	4.58%	0.09%	0.02%	0.54%	3.41%
054	60,083	572	0.96%	50,338	83.78%	62.98%	13.67%	12.79%	6.86%	0.13%	0.03%	0.53%	3.02%
055	59,971	460	0.77%	49,255	82.13%	35.51%	52.85%	4.97%	3.19%	0.18%	0.04%	0.37%	2.88%
056	58,929	-582	-0.98%	52,757	89.53%	36.98%	42.9%	5.84%	9.92%	0.2%	0.08%	0.41%	3.67%
057	59,969	458	0.77%	52,097	86.87%	63.64%	16.18%	7.95%	7.99%	0.1%	0.02%	0.6%	3.52%
058	59,057	-454	-0.76%	50,514	85.53%	27.56%	60.36%	5.07%	3.04%	0.12%	0.04%	0.51%	3.3%
059	59,434	-77	-0.13%	49,179	82.75%	22.04%	66.72%	4.43%	2.9%	0.17%	0.02%	0.54%	3.18%
060	59,709	198	0.33%	45,490	76.19%	28.09%	61.3%	5.11%	2.17%	0.18%	0.05%	0.43%	2.67%
061	59,302	-209	-0.35%	45,447	76.64%	16.75%	71.33%	7.61%	0.97%	0.17%	0.05%	0.51%	2.6%
062	59,450	-61	-0.10%	46,426	78.09%	19.07%	69.19%	6.83%	1.3%	0.21%	0.05%	0.47%	2.88%
063	59,381	-130	-0.22%	45,043	75.85%	19.22%	66.7%	9.26%	1.54%	0.21%	0.04%	0.47%	2.56%
064	58,986	-525	-0.88%	44,189	74.91%	57.83%	28.63%	7.44%	1.41%	0.3%	0.04%	0.7%	3.67%
065	59,464	-47	-0.08%	44,386	74.64%	31.46%	59.19%	4.53%	1.15%	0.19%	0.05%	0.51%	2.92%
066	59,047	-464	-0.78%	44,278	74.99%	33.93%	50.39%	9.49%	1.86%	0.26%	0.08%	0.63%	3.36%
067	59,135	-376	-0.63%	44,299	74.91%	30.86%	56.59%	7.75%	1.39%	0.19%	0.03%	0.49%	2.7%
068	59,477	-34	-0.06%	44,835	75.38%	33.94%	53.42%	6.33%	2.77%	0.14%	0.05%	0.63%	2.72%
069	58,682	-829	-1.39%	45,548	77.62%	26.89%	60.9%	5.42%	3.12%	0.18%	0.04%	0.78%	2.68%
070	59,121	-390	-0.66%	45,249	76.54%	59.69%	26.23%	7.96%	2.23%	0.22%	0.06%	0.4%	3.22%
071	59,538	27	0.05%	44,582	74.88%	69.8%	18.45%	6.18%	1.01%	0.24%	0.02%	0.42%	3.88%

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]
072	59,660	149	0.25%	46,229	77.49%	69.24%	19.51%	6.94%	0.93%	0.19%	0.02%	0.23%	2.94%
073	60,036	525	0.88%	45,736	76.18%	72.58%	10.84%	7.05%	5.58%	0.14%	0.03%	0.4%	3.38%
074	58,956	-555	-0.93%	44,696	75.81%	64.44%	24%	5.55%	2.04%	0.21%	0.02%	0.47%	3.26%
075	59,743	232	0.39%	43,850	73.4%	11.27%	71.04%	11.28%	2.93%	0.18%	0.07%	0.66%	2.57%
076	59,759	248	0.42%	44,371	74.25%	10.51%	64.4%	13.23%	8.69%	0.21%	0.05%	0.51%	2.41%
077	59,242	-269	-0.45%	44,207	74.62%	7.58%	73.27%	12.2%	4.36%	0.23%	0.06%	0.41%	1.9%
078	59,044	-467	-0.78%	44,572	75.49%	15.05%	68.35%	8.89%	4.21%	0.2%	0.03%	0.63%	2.63%
079	59,500	-11	-0.02%	43,223	72.64%	7.15%	68.44%	16.03%	5.51%	0.2%	0.01%	0.56%	2.09%
080	59,461	-50	-0.08%	44,784	75.32%	47.63%	12.45%	23.12%	13.33%	0.07%	0.04%	0.56%	2.79%
081	59,007	-504	-0.85%	46,259	78.4%	47.01%	19.77%	20.92%	8.71%	0.14%	0.01%	0.46%	2.98%
082	59,724	213	0.36%	50,238	84.12%	62.46%	15.19%	6.79%	11.35%	0.11%	0.04%	0.56%	3.51%
083	59,416	-95	-0.16%	46,581	78.4%	47.9%	13.51%	28.47%	6.91%	0.1%	0.02%	0.55%	2.55%
084	59,862	351	0.59%	47,350	79.1%	21.29%	70.47%	2.96%	1.48%	0.16%	0.02%	0.55%	3.07%
085	59,373	-138	-0.23%	46,308	78%	19.48%	59.85%	5.92%	10.8%	0.21%	0.02%	0.57%	3.14%
086	59,205	-306	-0.51%	44,614	75.36%	12.08%	72.02%	4.29%	7.95%	0.15%	0.01%	0.65%	2.84%
087	59,709	198	0.33%	45,615	76.4%	13.5%	69.72%	6.69%	6.22%	0.24%	0.02%	0.64%	2.97%
088	59,689	178	0.30%	46,073	77.19%	18.3%	60.15%	9.97%	7.64%	0.22%	0.07%	0.64%	3.01%
089	59,866	355	0.60%	46,198	77.17%	31.07%	60.06%	3.42%	1.92%	0.15%	0.03%	0.41%	2.93%
090	59,812	301	0.51%	48,015	80.28%	33.98%	56.05%	4.26%	1.82%	0.12%	0.03%	0.53%	3.2%
091	60,050	539	0.91%	46,173	76.89%	22%	67.15%	5.86%	1.44%	0.15%	0.05%	0.49%	2.86%
092	60,273	762	1.28%	46,551	77.23%	24.05%	65.71%	4.68%	1.67%	0.17%	0.03%	0.61%	3.08%
093	60,118	607	1.02%	44,734	74.41%	22.91%	62.36%	9.58%	1.48%	0.17%	0.09%	0.61%	2.81%
094	59,211	-300	-0.50%	44,809	75.68%	18.42%	65.61%	7.29%	4.85%	0.19%	0.02%	0.54%	3.07%
095	60,030	519	0.87%	44,948	74.88%	21.83%	63.61%	7.94%	2.43%	0.22%	0.04%	0.67%	3.27%
096	59,515	4	0.01%	44,671	75.06%	20.32%	20.75%	36.03%	19.7%	0.11%	0.04%	0.6%	2.44%
097	59,072	-439	-0.74%	46,339	78.44%	36.44%	24.16%	19.23%	16.07%	0.19%	0.05%	0.6%	3.25%
098	59,998	487	0.82%	42,734	71.23%	11.66%	20.91%	52.77%	12.28%	0.12%	0.05%	0.51%	1.71%
099	59,850	339	0.57%	45,004	75.19%	42.1%	13.07%	8.67%	32.63%	0.13%	0.04%	0.48%	2.89%
100	60,030	519	0.87%	42,669	71.08%	59.05%	8.86%	9.98%	18.41%	0.19%	0.06%	0.43%	3.02%
101	59,938	427	0.72%	46,584	77.72%	40.14%	21.87%	18.24%	15.98%	0.16%	0.05%	0.54%	3.02%
102	58,959	-552	-0.93%	42,968	72.88%	30.65%	34.79%	21.34%	9.57%	0.2%	0.03%	0.52%	2.89%
103	60,197	686	1.15%	44,399	73.76%	52.42%	15.01%	16.89%	12.19%	0.12%	0.03%	0.5%	2.83%
104	59,362	-149	-0.25%	43,306	72.95%	62.96%	15.44%	11.14%	6.38%	0.18%	0.05%	0.51%	3.34%
105	59,344	-167	-0.28%	43,474	73.26%	41.74%	26.67%	16.76%	11.05%	0.1%	0.03%	0.54%	3.12%
106	59,112	-399	-0.67%	43,890	74.25%	41.22%	33.7%	11.14%	9.73%	0.16%	0.03%	0.74%	3.28%
107	59,702	191	0.32%	44,509	74.55%	21.96%	27.02%	31.09%	16.75%	0.18%	0.04%	0.56%	2.4%
108	59,577	66	0.11%	44,308	74.37%	43.36%	16.55%	18.16%	18.34%	0.18%	0.04%	0.53%	2.84%
109	59,630	119	0.20%	44,140	74.02%	15.44%	29.65%	36.12%	15.82%	0.12%	0.06%	0.55%	2.25%
110	59,951	440	0.74%	43,226	72.1%	36.58%	44.02%	10.49%	4.72%	0.18%	0.04%	0.72%	3.25%
111	60,009	498	0.84%	44,096	73.48%	64%	20.56%	8.84%	2.56%	0.2%	0.04%	0.64%	3.17%
112	59,349	-162	-0.27%	45,120	76.02%	73.73%	18.26%	3.28%	1.26%	0.22%	0.02%	0.41%	2.81%
113	60,053	542	0.91%	44,538	74.16%	31.8%	56.48%	6.65%	0.83%	0.15%	0.11%	0.59%	3.39%
114	59,867	356	0.60%	45,872	76.62%	68.84%	23.42%	3.73%	0.71%	0.18%	0.01%	0.35%	2.76%

Population Summary

House-prop1-2021

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]
115	60,174	663	1.11%	44,807	74.46%	36.95%	49.2%	6.97%	2.68%	0.2%	0.05%	0.69%	3.26%
116	59,913	402	0.68%	45,791	76.43%	27.22%	54.93%	7.29%	6.48%	0.19%	0.09%	0.74%	3.05%
117	60,130	619	1.04%	44,973	74.79%	54.5%	34.54%	5.44%	1.54%	0.19%	0.04%	0.52%	3.22%
118	59,987	476	0.80%	46,342	77.25%	69.73%	22.7%	3.68%	0.42%	0.2%	0.02%	0.39%	2.85%
119	58,947	-564	-0.95%	44,005	74.65%	69.8%	12.31%	10.44%	3.75%	0.17%	0.02%	0.43%	3.08%
120	58,982	-529	-0.89%	46,767	79.29%	71.94%	13.21%	7.09%	4.18%	0.16%	0.05%	0.44%	2.91%
121	59,127	-384	-0.65%	46,598	78.81%	76.13%	8.6%	5.57%	5.84%	0.1%	0%	0.46%	3.3%
122	59,632	121	0.20%	48,840	81.9%	54.8%	27.13%	11.7%	2.41%	0.32%	0.06%	0.79%	2.79%
123	59,282	-229	-0.38%	46,572	78.56%	68.06%	23.42%	4.31%	1.06%	0.19%	0.02%	0.2%	2.75%
124	59,221	-290	-0.49%	47,638	80.44%	65.01%	24.61%	6.17%	1.08%	0.19%	0.02%	0.31%	2.61%
125	60,137	626	1.05%	43,812	72.85%	63.03%	21.43%	7.66%	2.6%	0.31%	0.16%	0.39%	4.41%
126	59,260	-251	-0.42%	45,497	76.78%	39.97%	52.63%	3.17%	0.89%	0.29%	0.16%	0.29%	2.62%
127	58,678	-833	-1.40%	45,889	78.2%	68.13%	16.88%	4.77%	5.68%	0.19%	0.16%	0.43%	3.77%
128	58,864	-647	-1.09%	46,488	78.98%	46.49%	49.38%	1.7%	0.35%	0.19%	0.01%	0.17%	1.71%
129	58,829	-682	-1.15%	46,873	79.68%	37.16%	52.33%	4.26%	2.4%	0.19%	0.15%	0.41%	3.1%
130	59,203	-308	-0.52%	44,019	74.35%	33.74%	57.69%	3.86%	0.97%	0.26%	0.19%	0.34%	2.95%
131	58,890	-621	-1.04%	42,968	72.96%	68.16%	15.87%	5.87%	5.21%	0.21%	0.1%	0.55%	4.03%
132	59,142	-369	-0.62%	46,752	79.05%	35.63%	49.82%	7.8%	2.74%	0.27%	0.16%	0.3%	3.28%
133	59,202	-309	-0.52%	47,222	79.76%	58.39%	35.87%	2.15%	1.15%	0.15%	0.04%	0.36%	1.89%
134	59,396	-115	-0.19%	45,110	75.95%	59.9%	32.37%	3.74%	0.81%	0.23%	0.02%	0.25%	2.69%
135	60,063	552	0.93%	46,725	77.79%	71.78%	22.84%	1.82%	0.55%	0.16%	0.01%	0.25%	2.57%
136	59,298	-213	-0.36%	45,367	76.51%	63.9%	27.76%	3.64%	1.55%	0.26%	0.04%	0.29%	2.55%
137	59,551	40	0.07%	45,358	76.17%	40.82%	50.02%	4.48%	1.73%	0.12%	0.12%	0.26%	2.44%
138	58,912	-599	-1.01%	45,684	77.55%	72.34%	18.26%	3.31%	2.43%	0.26%	0.07%	0.35%	2.97%
139	59,010	-501	-0.84%	45,522	77.14%	66.19%	18.56%	6.36%	3.89%	0.25%	0.24%	0.46%	4.04%
140	59,294	-217	-0.36%	44,411	74.9%	31.7%	54.74%	8.02%	1.17%	0.24%	0.2%	0.49%	3.43%
141	59,019	-492	-0.83%	44,677	75.7%	31.77%	54.65%	6.55%	2.69%	0.27%	0.3%	0.38%	3.38%
142	59,608	97	0.16%	44,584	74.8%	34.8%	57.42%	3.7%	1.4%	0.17%	0.02%	0.28%	2.2%
143	59,469	-42	-0.07%	46,390	78.01%	32.28%	58.98%	4.67%	1.07%	0.21%	0.05%	0.3%	2.44%
144	59,232	-279	-0.47%	46,370	78.29%	62.95%	28.34%	2.55%	3.45%	0.14%	0.02%	0.26%	2.29%
145	59,863	352	0.59%	45,844	76.58%	55.12%	33.97%	5.94%	0.99%	0.33%	0.03%	0.3%	3.32%
146	60,203	692	1.16%	44,589	74.06%	61.84%	26.08%	4.73%	2.98%	0.18%	0.09%	0.39%	3.71%
147	59,178	-333	-0.56%	44,902	75.88%	55.32%	28.41%	7.17%	4.85%	0.25%	0.07%	0.41%	3.52%
148	59,984	473	0.79%	46,614	77.71%	60.45%	33.11%	3.08%	0.87%	0.14%	0.04%	0.21%	2.1%
149	58,893	-618	-1.04%	46,821	79.5%	60.99%	30.75%	5.69%	0.57%	0.19%	0.04%	0.14%	1.63%
150	59,276	-235	-0.39%	47,050	79.37%	38.31%	52.5%	6.13%	1.18%	0.16%	0.03%	0.15%	1.54%
151	60,059	548	0.92%	46,973	78.21%	47.2%	40.96%	7.28%	1.43%	0.18%	0.18%	0.19%	2.58%
152	60,134	623	1.05%	46,026	76.54%	67.94%	25.26%	2.34%	1.52%	0.24%	0.04%	0.19%	2.46%
153	59,299	-212	-0.36%	45,692	77.05%	27.66%	66.38%	2.55%	1%	0.16%	0.03%	0.23%	2.01%
154	59,994	483	0.81%	47,273	78.8%	42.24%	53.68%	1.67%	0.36%	0.19%	0%	0.16%	1.7%
155	58,759	-752	-1.26%	45,208	76.94%	59.77%	34.6%	2.22%	0.95%	0.16%	0.04%	0.21%	2.05%
156	59,444	-67	-0.11%	45,867	77.16%	60.92%	29.32%	6.88%	0.62%	0.16%	0.01%	0.15%	1.93%
157	59,957	446	0.75%	45,311	75.57%	64.48%	23.7%	8.96%	0.57%	0.17%	0.04%	0.16%	1.93%

Population Summary

House-prop1-2021

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]
158	59,440	-71	-0.12%	45,549	76.63%	62.21%	30.2%	4.52%	0.71%	0.21%	0.03%	0.18%	1.93%
159	59,895	384	0.65%	44,871	74.92%	69.39%	23.44%	2.87%	0.57%	0.31%	0.04%	0.26%	3.12%
160	59,935	424	0.71%	48,057	80.18%	68.48%	21.07%	5.04%	1.64%	0.24%	0.09%	0.27%	3.17%
161	60,097	586	0.98%	44,371	73.83%	60.16%	25.26%	6.82%	3.16%	0.25%	0.09%	0.48%	3.77%
162	60,308	797	1.34%	46,733	77.49%	40.62%	41.13%	9.58%	4.16%	0.22%	0.24%	0.44%	3.61%
163	60,123	612	1.03%	48,461	80.6%	41.92%	43.78%	7.38%	3.6%	0.2%	0.1%	0.33%	2.68%
164	60,101	590	0.99%	45,851	76.29%	60.61%	21.43%	8.49%	4.37%	0.26%	0.12%	0.6%	4.12%
165	59,978	467	0.78%	48,247	80.44%	39.18%	48.49%	5.33%	3.68%	0.25%	0.14%	0.35%	2.57%
166	60,242	731	1.23%	47,580	78.98%	84.71%	4.96%	4.07%	2.69%	0.18%	0.05%	0.36%	2.97%
167	59,493	-18	-0.03%	44,140	74.19%	65.96%	20.55%	7.41%	1.48%	0.39%	0.18%	0.39%	3.66%
168	60,147	636	1.07%	44,867	74.6%	39.29%	42.28%	10.3%	2.32%	0.33%	0.65%	0.38%	4.46%
169	59,138	-373	-0.63%	45,267	76.54%	60.95%	28.12%	7.66%	0.88%	0.14%	0.03%	0.16%	2.06%
170	60,116	605	1.02%	45,316	75.38%	64.17%	23.21%	8.65%	1.19%	0.12%	0.02%	0.25%	2.38%
171	59,237	-274	-0.46%	45,969	77.6%	53.85%	38.58%	4.63%	0.56%	0.24%	0.02%	0.17%	1.95%
172	59,961	450	0.76%	44,756	74.64%	61.03%	22.46%	13.42%	0.78%	0.23%	0.03%	0.19%	1.87%
173	59,743	232	0.39%	45,292	75.81%	55.68%	35.18%	5.35%	0.84%	0.37%	0.02%	0.26%	2.31%
174	59,852	341	0.57%	45,760	76.46%	72.25%	16.08%	7.96%	0.52%	0.38%	0.03%	0.15%	2.64%
175	59,993	482	0.81%	44,704	74.52%	66.49%	23.13%	5.03%	1.85%	0.28%	0.06%	0.3%	2.86%
176	59,470	-41	-0.07%	44,991	75.65%	66.15%	21.61%	8.24%	0.96%	0.25%	0.1%	0.19%	2.49%
177	59,992	481	0.81%	46,014	76.7%	37.12%	51.68%	6.12%	1.36%	0.24%	0.08%	0.36%	3.04%
178	59,877	366	0.62%	45,638	76.22%	77.79%	13.99%	5.14%	0.54%	0.2%	0.01%	0.23%	2.09%
179	59,356	-155	-0.26%	47,156	79.45%	63.69%	25.74%	6.38%	1.07%	0.15%	0.11%	0.34%	2.51%
180	59,412	-99	-0.17%	45,362	76.35%	71.17%	16.63%	5.62%	1.67%	0.31%	0.11%	0.47%	4.02%

Total: **10,711,908**
Ideal District: **59,511**

The preceding report, published by the Georgia General Assembly, does not include statistics for the percentage of the voting age population that is "Black or African American alone or in combination," also known as the "any part Black voting age population" percentage or "APBVAP%." As these percentages are relevant for determining which House districts can be considered majority-Black under the conventions used in the expert report, I have provided them below after having exported a listing from the *Maptitude for Redistricting* software.

District	APBVAP%	District	APBVAP%	District	APBVAP%	District	APBVAP%	District	APBVAP%
1	4.20%	25	5.90%	49	8.42%	73	12.11%	97	26.77%
2	3.15%	26	4.01%	50	12.40%	74	25.52%	98	23.25%
3	3.35%	27	3.69%	51	23.68%	75	74.40%	99	14.71%
4	5.38%	28	3.93%	52	15.99%	76	67.23%	100	10.01%
5	4.60%	29	13.59%	53	14.53%	77	76.13%	101	24.19%
6	1.51%	30	8.10%	54	15.47%	78	71.58%	102	37.62%
7	0.62%	31	7.57%	55	55.38%	79	71.59%	103	16.79%
8	1.43%	32	7.96%	56	45.48%	80	14.18%	104	17.03%
9	1.57%	33	11.20%	57	18.06%	81	21.83%	105	29.05%
10	3.73%	34	15.67%	58	63.04%	82	16.83%	106	36.27%
11	1.85%	35	28.40%	59	70.09%	83	15.12%	107	29.63%
12	9.68%	36	16.98%	60	63.88%	84	73.66%	108	18.35%
13	19.18%	37	28.18%	61	74.29%	85	62.71%	109	32.51%
14	6.85%	38	54.23%	62	72.26%	86	75.05%	110	47.19%
15	14.19%	39	55.29%	63	69.33%	87	73.08%	111	22.29%
16	11.69%	40	32.98%	64	30.72%	88	63.35%	112	19.21%
17	23.02%	41	39.35%	65	61.98%	89	62.54%	113	59.53%
18	7.98%	42	33.70%	66	53.41%	90	58.49%	114	24.74%
19	24.15%	43	26.53%	67	58.92%	91	70.04%	115	52.13%
20	9.25%	44	12.05%	68	55.75%	92	68.79%	116	58.13%
21	5.06%	45	5.28%	69	63.56%	93	65.36%	117	36.61%
22	15.10%	46	8.07%	70	27.83%	94	69.04%	118	23.60%
23	6.50%	47	10.72%	71	19.92%	95	67.15%	119	13.49%
24	7.00%	48	11.79%	72	20.86%	96	23.00%	120	14.28%

(Table continues on following page.)

(Cont.)

District	APBVAP%	District	APBVAP%	District	APBVAP%	District	APBVAP%	District	APBVAP%
121	9.56%	133	36.76%	145	35.67%	157	24.67%	169	29.04%
122	28.42%	134	33.57%	146	27.61%	158	31.20%	170	24.22%
123	24.28%	135	23.75%	147	30.12%	159	24.50%	171	39.60%
124	25.58%	136	28.67%	148	34.02%	160	22.60%	172	23.32%
125	23.68%	137	52.13%	149	32.15%	161	27.14%	173	36.27%
126	54.47%	138	19.32%	150	53.56%	162	43.73%	174	17.37%
127	18.52%	139	20.27%	151	42.41%	163	45.49%	175	24.17%
128	50.41%	140	57.63%	152	26.06%	164	23.47%	176	22.68%
129	54.87%	141	57.46%	153	67.95%	165	50.33%	177	53.88%
130	59.91%	142	59.52%	154	54.82%	166	5.67%	178	14.79%
131	17.62%	143	60.79%	155	35.85%	167	22.28%	179	27.03%
132	52.34%	144	29.33%	156	30.25%	168	46.26%	180	18.21%

Esselstyn Report: Attachment J

District	Population	Deviation	% Deviation	% single-race White (total pop)	% single-race Black (total pop)	% single-race American Indian Alaska Native (total pop)	% single-race Asian (total pop)	% single-race Native Hawaiian Pacific Islander (total pop)	% single-race Other (total pop)	% multi-racial (total pop)	% Hispanic or Latino (total pop)	% Black alone or in combination (total pop)	% Black alone or in combination (voting age pop)
1	59,666	155	0.26%	88.62%	3.94%	0.41%	0.54%	0.06%	1.12%	5.32%	2.59%	5.09%	4.20%
2	59,773	262	0.44%	85.43%	2.68%	0.43%	1.12%	0.02%	3.69%	6.63%	9.09%	3.64%	3.15%
3	60,199	688	1.16%	87.87%	2.90%	0.36%	1.64%	0.14%	1.40%	5.69%	3.60%	4.09%	3.35%
4	59,070	-441	-0.74%	51.31%	4.41%	2.94%	1.27%	0.04%	25.56%	14.47%	50.07%	5.53%	5.38%
5	58,837	-674	-1.13%	78.57%	3.88%	0.60%	1.24%	0.03%	7.79%	7.90%	15.29%	5.24%	4.60%
6	59,712	201	0.34%	83.29%	1.07%	1.22%	0.53%	0.02%	6.80%	7.06%	14.51%	1.88%	1.51%
7	59,081	-430	-0.72%	89.34%	0.40%	0.61%	0.47%	0.02%	4.07%	5.09%	7.43%	0.87%	0.62%
8	59,244	-267	-0.45%	91.67%	1.16%	0.38%	0.55%	0.01%	1.22%	5.01%	3.21%	1.73%	1.43%
9	59,474	-37	-0.06%	89.17%	1.05%	0.49%	0.79%	0.06%	2.17%	6.27%	5.49%	1.79%	1.57%
10	59,519	8	0.01%	81.72%	3.03%	0.47%	1.53%	0.06%	5.51%	7.68%	13.11%	3.84%	3.73%
11	58,792	-719	-1.21%	88.57%	1.61%	0.37%	1.16%	0.03%	1.98%	6.28%	5.33%	2.35%	1.85%
12	59,300	-211	-0.35%	79.74%	8.68%	0.52%	1.01%	0.01%	4.44%	5.61%	7.68%	10.20%	9.68%
13	59,150	-361	-0.61%	64.15%	18.92%	0.81%	1.29%	0.03%	6.65%	8.15%	13.52%	20.65%	19.18%
14	59,135	-376	-0.63%	83.05%	5.98%	0.34%	0.79%	0.03%	3.25%	6.56%	7.04%	7.34%	6.85%
15	59,213	-298	-0.50%	70.65%	13.85%	0.55%	1.31%	0.05%	6.05%	7.56%	11.74%	15.79%	14.19%
16	59,402	-109	-0.18%	75.06%	11.36%	0.61%	0.77%	0.06%	6.25%	5.89%	10.95%	12.76%	11.69%
17	59,120	-391	-0.66%	65.08%	22.54%	0.36%	1.34%	0.08%	2.97%	7.63%	7.90%	25.01%	23.02%
18	59,335	-176	-0.30%	85.62%	7.19%	0.28%	0.61%	0.04%	1.30%	4.96%	2.93%	8.63%	7.98%
19	58,955	-556	-0.93%	63.74%	23.95%	0.39%	1.17%	0.09%	3.33%	7.34%	7.87%	26.38%	24.15%
20	60,107	596	1.00%	76.19%	8.34%	0.31%	2.01%	0.04%	3.95%	9.16%	10.60%	9.94%	9.25%
21	59,529	18	0.03%	81.93%	4.37%	0.38%	1.86%	0.05%	2.97%	8.44%	8.54%	5.63%	5.06%
22	59,460	-51	-0.09%	65.22%	14.31%	0.44%	3.90%	0.04%	5.20%	10.90%	13.26%	16.63%	15.10%
23	59,048	-463	-0.78%	75.17%	5.81%	1.01%	1.08%	0.05%	7.59%	9.29%	17.19%	7.20%	6.50%
24	59,011	-500	-0.84%	61.94%	6.14%	0.45%	17.71%	0.04%	4.82%	8.90%	11.36%	7.31%	7.00%
25	59,414	-97	-0.16%	53.10%	5.06%	0.19%	33.57%	0.03%	1.50%	6.55%	5.42%	6.07%	5.90%
26	59,248	-263	-0.44%	65.34%	3.41%	0.50%	16.82%	0.05%	5.34%	8.54%	12.07%	4.47%	4.01%
27	58,795	-716	-1.20%	82.10%	3.31%	0.44%	0.84%	0.04%	5.55%	7.72%	11.82%	4.40%	3.69%
28	58,972	-539	-0.91%	79.07%	3.49%	0.53%	2.09%	0.03%	5.99%	8.79%	13.59%	4.55%	3.93%
29	59,200	-311	-0.52%	43.92%	12.45%	1.40%	2.77%	0.07%	25.34%	14.04%	46.28%	13.74%	13.59%
30	59,266	-245	-0.41%	70.51%	7.56%	0.49%	3.06%	0.04%	8.72%	9.63%	18.78%	8.75%	8.10%
31	59,901	390	0.66%	69.79%	6.83%	0.61%	2.33%	0.04%	10.78%	9.61%	21.63%	7.96%	7.57%
32	59,145	-366	-0.62%	82.12%	7.33%	0.48%	1.28%	0.07%	2.88%	5.84%	6.03%	8.88%	7.96%
33	59,187	-324	-0.54%	80.79%	11.02%	0.21%	1.20%	0.02%	2.22%	4.54%	4.08%	12.37%	11.20%
34	59,875	364	0.61%	68.37%	14.73%	0.32%	4.45%	0.04%	3.38%	8.70%	9.06%	16.87%	15.67%
35	59,889	378	0.64%	52.51%	27.13%	0.48%	4.49%	0.05%	5.14%	10.20%	12.70%	30.41%	28.40%
36	59,994	483	0.81%	69.47%	16.26%	0.25%	3.10%	0.05%	2.80%	8.08%	7.46%	18.43%	16.98%

District	Population	Deviation	% Deviation	% single-race White (total pop)	% single-race Black (total pop)	% single-race American Indian Alaska Native (total pop)	% single-race Asian (total pop)	% single-race Native Hawaiian Pacific Islander (total pop)	% single-race Other (total pop)	% multi-racial (total pop)	% Hispanic or Latino (total pop)	% Black alone or in combination (total pop)	% Black alone or in combination (voting age pop)
37	59,176	-335	-0.56%	45.62%	26.57%	0.99%	4.53%	0.06%	11.93%	10.30%	21.96%	29.02%	28.18%
38	59,317	-194	-0.33%	27.97%	53.68%	0.59%	1.80%	0.09%	7.72%	8.15%	14.72%	56.91%	54.23%
39	59,381	-130	-0.22%	22.83%	52.84%	0.79%	1.53%	0.04%	12.96%	9.01%	21.79%	55.60%	55.29%
40	59,044	-467	-0.78%	50.09%	31.39%	0.25%	8.59%	0.03%	2.33%	7.32%	6.43%	34.18%	32.98%
41	60,122	611	1.03%	29.51%	37.00%	1.11%	2.85%	0.06%	16.74%	12.72%	33.22%	39.66%	39.35%
42	59,620	109	0.18%	38.93%	31.87%	0.61%	7.17%	0.05%	10.28%	11.09%	20.49%	34.76%	33.70%
43	59,464	-47	-0.08%	45.84%	24.83%	0.92%	7.85%	0.10%	9.01%	11.45%	15.85%	27.49%	26.53%
44	60,002	491	0.83%	66.91%	11.23%	0.41%	5.74%	0.04%	5.13%	10.53%	11.99%	13.32%	12.05%
45	59,738	227	0.38%	73.40%	4.24%	0.15%	12.96%	0.02%	1.48%	7.75%	5.50%	5.53%	5.28%
46	59,108	-403	-0.68%	74.02%	6.93%	0.26%	6.95%	0.04%	2.77%	9.03%	8.24%	8.59%	8.07%
47	59,126	-385	-0.65%	63.20%	9.59%	0.31%	15.95%	0.03%	2.72%	8.19%	7.83%	11.15%	10.72%
48	59,003	-508	-0.85%	60.96%	10.38%	0.43%	11.79%	0.06%	6.20%	10.18%	14.10%	12.23%	11.79%
49	59,153	-358	-0.60%	70.45%	7.33%	0.17%	11.43%	0.03%	2.42%	8.17%	7.56%	8.85%	8.42%
50	59,523	12	0.02%	42.70%	11.30%	0.14%	35.51%	0.04%	2.70%	7.60%	7.06%	13.04%	12.40%
51	58,952	-559	-0.94%	53.22%	22.42%	0.44%	5.86%	0.05%	7.50%	10.50%	15.47%	25.05%	23.68%
52	59,811	300	0.50%	55.20%	13.94%	0.30%	19.75%	0.06%	3.11%	7.64%	7.98%	15.82%	15.99%
53	59,953	442	0.74%	71.67%	12.59%	0.20%	4.49%	0.03%	3.08%	7.94%	8.20%	14.49%	14.53%
54	60,083	572	0.96%	62.88%	13.25%	0.42%	6.56%	0.05%	7.69%	9.16%	15.17%	15.06%	15.47%
55	59,971	460	0.77%	34.75%	55.03%	0.28%	2.88%	0.05%	2.12%	4.90%	5.14%	57.32%	55.38%
56	58,929	-582	-0.98%	35.60%	46.85%	0.24%	9.36%	0.08%	1.88%	5.99%	5.81%	49.24%	45.48%
57	59,969	458	0.77%	64.40%	15.89%	0.36%	7.63%	0.03%	3.92%	7.76%	8.83%	17.83%	18.06%
58	59,057	-454	-0.76%	26.52%	63.71%	0.23%	2.79%	0.04%	1.78%	4.93%	5.03%	66.10%	63.04%
59	59,434	-77	-0.13%	20.24%	70.27%	0.26%	2.54%	0.03%	1.60%	5.07%	4.45%	73.14%	70.09%
60	59,709	198	0.33%	27.39%	62.26%	0.35%	2.05%	0.05%	2.94%	4.95%	5.87%	64.58%	63.88%
61	58,950	-561	-0.94%	34.98%	52.47%	0.42%	1.40%	0.05%	4.25%	6.44%	8.36%	55.51%	53.49%
62	59,450	-61	-0.10%	18.14%	70.86%	0.38%	1.16%	0.06%	4.11%	5.29%	7.61%	73.56%	72.26%
63	59,381	-130	-0.22%	18.46%	68.64%	0.56%	1.36%	0.05%	5.60%	5.33%	10.42%	70.98%	69.33%
64	59,648	137	0.23%	36.92%	48.40%	0.45%	1.04%	0.09%	5.96%	7.14%	11.25%	51.05%	50.24%
65	59,240	-271	-0.46%	30.99%	61.67%	0.27%	0.81%	0.04%	1.62%	4.59%	3.70%	64.10%	63.34%
66	58,961	-550	-0.92%	31.21%	53.46%	0.47%	1.86%	0.10%	5.44%	7.46%	10.88%	56.82%	53.88%
67	59,135	-376	-0.63%	30.47%	57.71%	0.33%	1.31%	0.03%	4.63%	5.52%	8.71%	59.93%	58.92%
68	59,477	-34	-0.06%	32.13%	55.20%	0.33%	2.82%	0.05%	3.68%	5.78%	7.30%	57.48%	55.75%
69	58,358	-1,153	-1.94%	26.08%	61.75%	0.28%	2.95%	0.04%	3.29%	5.61%	6.42%	64.56%	62.73%
70	59,121	-390	-0.66%	58.14%	27.99%	0.40%	2.19%	0.05%	4.48%	6.75%	9.08%	30.02%	27.83%
71	59,538	27	0.05%	68.61%	19.16%	0.45%	0.98%	0.02%	3.53%	7.25%	7.44%	21.49%	19.92%
72	59,660	149	0.25%	68.83%	19.64%	0.38%	0.96%	0.03%	4.59%	5.58%	8.16%	21.43%	20.86%

District	Population	Deviation	% Deviation	% single-race White (total pop)	% single-race Black (total pop)	% single-race American Indian Alaska Native (total pop)	% single-race Asian (total pop)	% single-race Native Hawaiian Pacific Islander (total pop)	% single-race Other (total pop)	% multi-racial (total pop)	% Hispanic or Latino (total pop)	% Black alone or in combination (total pop)	% Black alone or in combination (voting age pop)
73	60,036	525	0.88%	71.55%	11.47%	0.30%	5.94%	0.04%	2.53%	8.17%	7.96%	13.10%	12.11%
74	58,418	-1,093	-1.84%	34.64%	52.32%	0.33%	2.41%	0.06%	4.25%	5.99%	8.22%	54.91%	53.94%
75	59,759	248	0.42%	14.87%	65.44%	0.59%	4.89%	0.07%	8.12%	6.03%	13.11%	68.43%	66.89%
76	59,759	248	0.42%	10.18%	64.99%	0.82%	8.16%	0.06%	9.45%	6.35%	15.61%	67.71%	67.23%
77	59,242	-269	-0.45%	7.77%	73.39%	0.59%	4.06%	0.08%	9.22%	4.89%	14.22%	75.90%	76.13%
78	59,890	379	0.64%	36.56%	51.33%	0.44%	1.69%	0.04%	3.94%	6.01%	8.29%	54.01%	51.03%
79	59,500	-11	-0.02%	7.56%	69.08%	0.94%	4.92%	0.03%	11.61%	5.87%	18.11%	71.79%	71.59%
80	59,461	-50	-0.08%	47.83%	12.00%	1.52%	13.08%	0.07%	15.40%	10.10%	26.17%	13.67%	14.18%
81	59,007	-504	-0.85%	47.01%	19.09%	1.27%	8.24%	0.03%	13.87%	10.49%	24.58%	21.16%	21.83%
82	59,724	213	0.36%	63.25%	14.66%	0.28%	11.08%	0.03%	2.93%	7.77%	7.52%	16.35%	16.83%
83	59,416	-95	-0.16%	47.55%	12.45%	1.70%	6.34%	0.03%	21.02%	10.92%	33.75%	14.01%	15.12%
84	59,862	351	0.59%	21.61%	70.46%	0.19%	1.44%	0.03%	1.26%	5.01%	3.40%	73.35%	73.66%
85	59,373	-138	-0.23%	18.61%	60.90%	0.38%	12.33%	0.03%	2.65%	5.11%	5.99%	63.41%	62.71%
86	59,205	-306	-0.51%	11.04%	72.44%	0.30%	9.07%	0.02%	2.71%	4.42%	4.64%	75.09%	75.05%
87	59,709	198	0.33%	12.16%	70.92%	0.41%	6.49%	0.02%	4.81%	5.20%	7.73%	74.02%	73.08%
88	59,689	178	0.30%	17.17%	61.41%	0.65%	7.51%	0.07%	6.54%	6.65%	11.46%	64.53%	63.35%
89	59,866	355	0.60%	31.03%	60.27%	0.22%	1.80%	0.03%	1.37%	5.29%	3.80%	62.63%	62.54%
90	59,812	301	0.51%	32.92%	57.69%	0.24%	1.62%	0.04%	1.83%	5.67%	4.65%	60.13%	58.49%
91	59,956	445	0.75%	32.76%	58.67%	0.24%	1.19%	0.03%	2.03%	5.07%	4.42%	61.23%	60.01%
92	60,273	762	1.28%	21.57%	68.31%	0.24%	1.59%	0.04%	2.99%	5.27%	5.49%	71.31%	68.79%
93	60,118	607	1.02%	21.33%	64.04%	0.36%	1.34%	0.11%	6.56%	6.26%	11.24%	66.95%	65.36%
94	59,211	-300	-0.50%	17.43%	66.81%	0.45%	4.88%	0.03%	4.41%	5.99%	8.72%	69.91%	69.04%
95	60,030	519	0.87%	19.99%	65.91%	0.39%	2.30%	0.08%	4.61%	6.72%	9.32%	69.44%	67.15%
96	59,515	4	0.01%	21.85%	21.31%	1.48%	17.72%	0.08%	25.19%	12.37%	40.49%	23.47%	23.00%
97	59,072	-439	-0.74%	35.90%	25.79%	0.68%	15.07%	0.09%	11.43%	11.04%	21.86%	28.56%	26.77%
98	59,998	487	0.82%	15.89%	20.23%	2.15%	10.77%	0.10%	36.38%	14.49%	57.42%	22.14%	23.25%
99	59,850	339	0.57%	41.47%	13.80%	0.36%	32.56%	0.05%	3.65%	8.11%	9.52%	15.90%	14.71%
100	60,030	519	0.87%	57.78%	9.19%	0.42%	19.53%	0.06%	4.06%	8.96%	10.85%	10.66%	10.01%
101	59,938	427	0.72%	40.65%	22.90%	0.69%	15.32%	0.06%	8.64%	11.74%	20.17%	25.66%	24.19%
102	58,959	-552	-0.93%	29.76%	37.16%	0.98%	9.04%	0.04%	12.08%	10.94%	23.45%	40.20%	37.62%
103	60,197	686	1.15%	52.61%	15.52%	0.60%	11.76%	0.06%	8.69%	10.76%	19.06%	17.66%	16.79%
104	59,362	-149	-0.25%	62.99%	15.96%	0.40%	6.37%	0.05%	5.27%	8.95%	12.64%	18.10%	17.03%
105	59,344	-167	-0.28%	41.69%	28.45%	0.51%	10.63%	0.04%	7.83%	10.85%	18.10%	31.08%	29.05%
106	59,112	-399	-0.67%	38.57%	36.27%	0.61%	9.86%	0.06%	5.99%	8.65%	12.66%	39.28%	36.27%
107	59,702	191	0.32%	23.31%	28.16%	1.39%	15.52%	0.05%	18.46%	13.13%	34.49%	30.77%	29.63%
108	59,577	66	0.11%	41.71%	17.71%	0.93%	18.12%	0.04%	11.15%	10.35%	20.98%	20.05%	18.35%

District	Population	Deviation	% Deviation	% single-race White (total pop)	% single-race Black (total pop)	% single-race American Indian Alaska Native (total pop)	% single-race Asian (total pop)	% single-race Native Hawaiian Pacific Islander (total pop)	% single-race Other (total pop)	% multi-racial (total pop)	% Hispanic or Latino (total pop)	% Black alone or in combination (total pop)	% Black alone or in combination (voting age pop)
109	59,630	119	0.20%	18.29%	30.16%	1.16%	14.48%	0.07%	22.25%	13.59%	39.32%	32.86%	32.51%
110	59,951	440	0.74%	34.57%	46.58%	0.33%	4.53%	0.06%	5.00%	8.94%	11.87%	50.11%	47.19%
111	60,009	498	0.84%	62.34%	22.08%	0.40%	2.53%	0.07%	4.84%	7.75%	10.37%	24.28%	22.29%
112	59,349	-162	-0.27%	72.57%	19.06%	0.28%	1.28%	0.06%	1.89%	4.87%	4.00%	20.49%	19.21%
113	60,053	542	0.91%	30.11%	58.29%	0.30%	0.81%	0.14%	4.15%	6.21%	7.78%	61.62%	59.53%
114	59,867	356	0.60%	67.78%	24.16%	0.28%	0.71%	0.04%	2.21%	4.83%	4.53%	25.79%	24.74%
115	59,789	278	0.47%	30.02%	53.14%	0.46%	4.80%	0.06%	4.84%	6.70%	9.30%	56.23%	53.77%
116	60,380	869	1.46%	33.11%	52.02%	0.29%	4.57%	0.08%	3.53%	6.39%	7.80%	55.04%	51.95%
117	60,142	631	1.06%	36.94%	50.92%	0.30%	1.57%	0.06%	3.70%	6.51%	7.78%	53.97%	51.56%
118	59,987	476	0.80%	69.35%	22.72%	0.26%	0.45%	0.03%	1.99%	5.21%	4.50%	24.16%	23.60%
119	58,947	-564	-0.95%	69.24%	12.73%	0.46%	3.87%	0.03%	5.81%	7.87%	12.17%	14.47%	13.49%
120	58,982	-529	-0.89%	71.79%	13.65%	0.34%	4.08%	0.06%	3.79%	6.29%	8.42%	15.04%	14.28%
121	59,127	-384	-0.65%	76.66%	8.80%	0.18%	5.66%	0.01%	2.50%	6.19%	6.27%	9.96%	9.56%
122	59,632	121	0.20%	51.35%	30.85%	0.60%	2.17%	0.08%	8.43%	6.54%	13.78%	32.33%	28.42%
123	59,282	-229	-0.38%	67.02%	23.91%	0.30%	1.16%	0.03%	2.63%	4.94%	5.33%	25.32%	24.28%
124	59,221	-290	-0.49%	62.85%	26.19%	0.32%	1.15%	0.03%	3.77%	5.71%	7.57%	27.61%	25.58%
125	60,137	626	1.05%	62.06%	22.24%	0.45%	2.48%	0.22%	3.27%	9.29%	8.93%	25.37%	23.68%
126	59,260	-251	-0.42%	38.66%	54.30%	0.34%	0.76%	0.16%	1.55%	4.22%	3.63%	56.45%	54.47%
127	58,678	-833	-1.40%	67.34%	17.46%	0.27%	5.68%	0.18%	1.94%	7.13%	5.58%	19.67%	18.52%
128	58,864	-647	-1.09%	44.54%	51.11%	0.21%	0.36%	0.04%	0.81%	2.92%	1.91%	52.50%	50.41%
129	58,829	-682	-1.15%	34.71%	55.50%	0.31%	2.12%	0.15%	2.15%	5.05%	4.74%	58.21%	54.87%
130	59,203	-308	-0.52%	30.99%	60.84%	0.33%	0.82%	0.19%	1.93%	4.90%	4.33%	63.45%	59.91%
131	58,890	-621	-1.04%	67.43%	16.38%	0.29%	4.98%	0.17%	1.99%	8.77%	7.07%	18.92%	17.62%
132	59,142	-369	-0.62%	35.30%	52.48%	0.35%	2.42%	0.19%	3.20%	6.05%	7.91%	55.26%	52.34%
133	59,768	257	0.43%	68.72%	25.32%	0.16%	1.00%	0.03%	1.00%	3.77%	2.36%	26.58%	26.11%
134	59,046	-465	-0.78%	53.95%	38.20%	0.30%	0.75%	0.03%	1.98%	4.79%	4.33%	40.04%	37.41%
135	60,013	502	0.84%	74.82%	19.45%	0.24%	0.62%	0.01%	1.02%	3.84%	2.12%	20.68%	20.35%
136	59,298	-213	-0.36%	63.16%	28.15%	0.34%	1.55%	0.03%	2.06%	4.71%	4.40%	29.56%	28.67%
137	59,551	40	0.07%	39.25%	51.92%	0.19%	1.69%	0.14%	2.07%	4.75%	5.17%	54.16%	52.13%
138	58,912	-599	-1.01%	71.33%	18.92%	0.36%	2.41%	0.06%	1.57%	5.36%	4.10%	20.49%	19.32%
139	59,010	-501	-0.84%	65.30%	19.63%	0.39%	4.09%	0.22%	2.55%	7.82%	7.24%	21.77%	20.27%
140	59,294	-217	-0.36%	30.34%	56.56%	0.53%	1.06%	0.26%	4.45%	6.81%	9.04%	59.80%	57.63%
141	59,019	-492	-0.83%	30.98%	55.60%	0.36%	2.59%	0.33%	3.04%	7.10%	7.93%	58.90%	57.46%
142	59,320	-191	-0.32%	39.78%	51.89%	0.25%	2.27%	0.02%	2.32%	3.48%	4.22%	53.52%	50.14%
143	59,122	-389	-0.65%	38.76%	52.08%	0.21%	2.55%	0.04%	1.91%	4.44%	3.76%	54.15%	50.64%
144	58,533	-978	-1.64%	64.43%	24.36%	0.33%	2.88%	0.06%	1.91%	6.03%	5.04%	26.09%	24.94%

District	Population	Deviation	% Deviation	% single-race White (total pop)	% single-race Black (total pop)	% single-race American Indian Alaska Native (total pop)	% single-race Asian (total pop)	% single-race Native Hawaiian Pacific Islander (total pop)	% single-race Other (total pop)	% multi-racial (total pop)	% Hispanic or Latino (total pop)	% Black alone or in combination (total pop)	% Black alone or in combination (voting age pop)
145	59,668	157	0.26%	36.17%	51.16%	0.47%	1.19%	0.07%	4.44%	6.50%	8.64%	53.76%	50.38%
146	59,197	-314	-0.53%	67.39%	23.72%	0.21%	1.65%	0.08%	1.64%	5.31%	4.55%	25.26%	24.38%
147	58,567	-944	-1.59%	54.11%	30.64%	0.32%	3.95%	0.10%	3.34%	7.54%	7.61%	33.12%	30.55%
148	59,887	376	0.63%	56.80%	37.60%	0.18%	0.61%	0.03%	1.74%	3.04%	5.86%	38.90%	37.30%
149	59,392	-119	-0.20%	41.24%	52.64%	0.22%	0.77%	0.06%	1.87%	3.21%	2.88%	54.31%	51.53%
150	59,276	-235	-0.39%	37.15%	53.50%	0.30%	1.19%	0.05%	4.73%	3.08%	7.23%	54.77%	53.56%
151	60,059	548	0.92%	46.66%	42.45%	0.27%	1.32%	0.25%	4.52%	4.53%	7.51%	44.17%	42.41%
152	60,134	623	1.05%	66.75%	25.98%	0.27%	1.61%	0.05%	1.33%	4.01%	2.84%	27.20%	26.06%
153	59,299	-212	-0.36%	24.79%	69.44%	0.17%	0.92%	0.03%	1.68%	2.97%	2.93%	71.14%	67.95%
154	59,994	483	0.81%	39.90%	55.77%	0.19%	0.39%	0.02%	1.00%	2.72%	2.10%	57.13%	54.82%
155	60,134	623	1.05%	58.50%	35.73%	0.21%	0.90%	0.05%	1.41%	3.19%	2.65%	37.24%	35.23%
156	60,647	1,136	1.91%	60.55%	29.57%	0.37%	0.61%	0.01%	4.56%	4.33%	8.19%	30.89%	29.87%
157	59,957	446	0.75%	63.89%	23.82%	0.39%	0.56%	0.04%	6.64%	4.65%	11.19%	25.21%	24.67%
158	59,440	-71	-0.12%	60.33%	31.67%	0.27%	0.77%	0.03%	3.07%	3.86%	5.60%	33.07%	31.20%
159	59,895	384	0.65%	68.50%	24.02%	0.35%	0.54%	0.05%	1.54%	5.00%	3.65%	25.56%	24.50%
160	59,935	424	0.71%	68.19%	22.04%	0.32%	1.64%	0.10%	2.38%	5.33%	5.50%	23.64%	22.60%
161	60,097	586	0.98%	59.24%	26.27%	0.34%	3.05%	0.11%	3.15%	7.84%	7.89%	28.87%	27.14%
162	60,308	797	1.34%	38.55%	43.95%	0.43%	4.04%	0.26%	5.71%	7.06%	10.78%	46.66%	43.73%
163	60,123	612	1.03%	39.74%	46.54%	0.40%	3.15%	0.16%	4.62%	5.39%	8.45%	48.40%	45.49%
164	60,101	590	0.99%	60.02%	22.55%	0.45%	4.26%	0.13%	4.01%	8.58%	9.95%	25.07%	23.47%
165	59,978	467	0.78%	36.28%	52.86%	0.30%	3.23%	0.16%	2.74%	4.44%	5.53%	54.85%	50.33%
166	60,242	731	1.23%	84.02%	5.04%	0.23%	2.67%	0.05%	1.68%	6.30%	5.19%	6.05%	5.67%
167	59,493	-18	-0.03%	64.99%	21.40%	0.62%	1.47%	0.26%	3.75%	7.52%	8.81%	23.93%	22.28%
168	60,147	636	1.07%	39.01%	44.49%	0.44%	2.06%	0.73%	3.84%	9.43%	11.22%	49.11%	46.26%
169	59,138	-373	-0.63%	60.27%	29.04%	0.33%	0.79%	0.03%	5.16%	4.37%	9.03%	30.38%	29.04%
170	60,116	605	1.02%	62.84%	24.56%	0.31%	1.19%	0.03%	5.44%	5.62%	10.43%	26.05%	24.22%
171	59,237	-274	-0.46%	52.16%	40.00%	0.33%	0.54%	0.03%	3.52%	3.41%	5.73%	41.21%	39.60%
172	59,961	450	0.76%	60.41%	23.41%	0.80%	0.77%	0.03%	8.71%	5.87%	16.00%	24.67%	23.32%
173	59,743	232	0.39%	53.63%	36.40%	0.63%	0.83%	0.02%	4.16%	4.33%	6.95%	37.84%	36.27%
174	59,852	341	0.57%	73.85%	17.42%	0.47%	0.49%	0.05%	3.09%	4.63%	7.88%	18.81%	17.37%
175	59,993	482	0.81%	65.60%	23.98%	0.37%	1.79%	0.08%	2.45%	5.73%	6.10%	25.56%	24.17%
176	59,470	-41	-0.07%	66.19%	21.96%	0.45%	0.93%	0.11%	4.65%	5.71%	9.95%	23.59%	22.68%
177	59,992	481	0.81%	34.69%	55.26%	0.37%	1.30%	0.09%	3.02%	5.27%	6.69%	57.52%	53.88%
178	59,877	366	0.62%	77.36%	14.59%	0.35%	0.52%	0.01%	3.20%	3.97%	6.22%	15.91%	14.79%
179	59,356	-155	-0.26%	60.43%	28.66%	0.39%	1.07%	0.17%	4.00%	5.27%	7.73%	30.40%	27.03%
180	59,412	-99	-0.17%	70.77%	17.31%	0.47%	1.62%	0.13%	2.05%	7.65%	6.47%	19.73%	18.21%

Esselstyn Report: Attachment K

2021-2022 GUIDELINES FOR THE HOUSE LEGISLATIVE AND CONGRESSIONAL REAPPORTIONMENT COMMITTEE

I. HEARINGS AND MEETINGS

A. PUBLIC HEARINGS

1. A series of public hearings were held to actively seek public participation and input concerning the General Assembly's redrawing of congressional and legislative districts.

2. Video recordings of all hearings are and shall remain available on the legislative website, www.legis.ga.gov

B. COMMITTEE MEETINGS

1. All formal meetings of the full committee will be open to the public.

2. When the General Assembly is not in session, notices of all such meetings will be posted at the Offices of the Clerk of the House or Secretary of the Senate and other appropriate places at least 24 hours in advance of any meeting. Individual notices may be transmitted by email to any citizen or organization requesting the same without charge. Persons or organizations needing this information should contact the Senate Press Office or House Communications Office or the Secretary of the Senate or Clerk of the House to be placed on the notification list.

3. Minutes of all such meetings shall be kept and maintained in accordance with the rules of the House and Senate. Copies of the minutes should be made available in a timely manner at a reasonable cost in accordance with these same rules.

IL PUBLIC ACCESS TO REDISTRICTING DATA AND MATERIALS

A. Census information databases on any medium created at public expense and held by the Committee or by the Legislative and Congressional Reapportionment Office for use in the redistricting process are included as public records and copies can be made available to the public in accordance with the rules of the General Assembly and subject to reasonable charges for search, retrieval, reproduction and other reasonable, related costs.

B. Copies of the public records described above may be obtained at the cost of reproduction by members of the public on electronic media if the material exists on an appropriate electronic medium. Cost of reproduction may include not only the medium on which the copies made, but also the labor cost for the search, retrieval, and reproduction of the records and other reasonable, related costs.

C. These guidelines regarding public access to redistricting data and materials do not apply to plans or other related materials prepared by or on behalf of an individual Member of the General Assembly using the Legislative and Congressional Reapportionment Office, where those plans and materials have not been made public through presentation to the Committee.

III. REDISTRICTING PLANS

A. GENERAL PRINCIPLES FOR DRAFTING PLANS

1. Each congressional district should be drawn with a total population of plus or minus one person from the ideal district size.

2. Each legislative district of the General Assembly should be drawn to achieve a total population that is substantially equal as practicable, considering the principles listed below.

3. All plans adopted by the Committee will comply with Section 2 of the Voting Rights Act of 1965, as amended.

4. All plans adopted by the Committee will comply with the United States and Georgia Constitutions.

5. Districts shall be composed of contiguous geography. Districts that connect on a single point are not contiguous.

6. No multi-member districts shall be drawn on any legislative redistricting plan.

7. The Committee should consider:

   a. The boundaries of counties and precincts;

   b. Compactness; and

   c. Communities of interest.

8. Efforts should be made to avoid the unnecessary pairing of incumbents.

9. The identifying of these criteria is not intended to limit the consideration of any other principles or factors that the Committee deems appropriate.

B. PLANS PRODUCED THROUGH THE LEGISLATIVE AND CONGRESSIONAL REAPPORTIONMENT OFFICE

1. Staff of the Legislative and Congressional Reapportionment Office will be available to all members of the General Assembly requesting assistance in accordance with the policy of that office.

2. Census data and redistricting work maps will be available to all members of the General Assembly upon request, provided that (a) the map was created by the requesting member, (b) the map is publicly available, or (c) the Legislative and Congressional Reapportionment Office has been granted permission by the author of the map to share a copy with the requesting member.

3. As noted above, redistricting plans and other records related to the provision of staff services to individual members of the General Assembly will not be subject to public disclosure. Only the author of a particular map may waive the confidentiality of his or her own work product. This confidentiality provision will not apply with respect to records related to the provision of staff services to any committee or subcommittee as a whole or to any records which are or have been previously disclosed by or pursuant to the direction of an individual member of the General Assembly.

C. PLANS PRODUCED OUTSIDE OF THE LEGISLATIVE AND CONGRESSIONAL REAPPORTIONMENT OFFICE

1. All plans submitted to the Committee will be made part of the public record and made available in the same manner as other committee public records.

2. All plans prepared outside the Legislative and Congressional Reapportionment Office must be submitted to that office prior to presentation to the Committee by a Member of the General Assembly for technical verification and presentation and bill preparation. All pieces of census geography must be accounted for in some district.

3. The electronic submission of material for technical verification must be made in accordance with the following requirements or in a manner specifically approved and accepted by the Legislative and Congressional Reapportionment Office.

   a. The submission shall be in electronic format with accompanying documentation that shows the submitting sponsor of the proposed plan and contact person for the proposed plan, including email address and telephone number.

   b. An electronic map image that clearly depicts defined boundaries, utilizing the 2020 United States Census geographic boundaries,

and a block equivalency file containing two columns. The first column shall list the 15-digit census block identification numbers, and the second column shall list the three-digit district identification number. Both block and district numbers shall be zero-filled text files. Such files shall be submitted in .xis, .xlsx, .dbf, .txt, or .csv file formats. The following is a sample:

```
BlockID, DISTRICT
"13001950100101","008"
"13001950100102","008"
"13001950100103","008"
"13001950100104","008"
"13001950100105","008"
"13001950100106","008"
```

4. If submission of the plan cannot be done electronically, the following requirements must be followed:

   a. All drafts, amendments, or revisions should be on clearly-depicted maps that follow the 2020 Census geographic boundaries and should be accompanied by a statistical sheet listing the Census geography including the total population for each district.

   b. All plans submitted should either be a complete statewide plan or fit back into the plan that they modified, so that the proposal can be evaluated in the context of a statewide plan. All pieces of Census geography must be accounted for in some district.

D. GENERAL GUIDELINES FOR PRESENTATION OF ALL PLANS

1. A redistricting plan may be presented for consideration by the Committee only through the sponsorship of one or more Member(s) of the General Assembly. All such drafts of and amendments or revisions to plans presented at any committee meeting must be on clearly-depicted maps which follow the 2020 Census geographic boundaries and accompanied by a statistical sheet listing the Census geography, including the total population and minority populations for each proposed district.

2. No plan may be presented to the Committee unless that plan makes accommodations for and fits back into a specific, identified statewide map for the particular legislative body involved.

3. All plans presented at committee meetings will be made available for inspection by the public either electronically or by hard copy available at the Office of Legislative and Congressional Reapportionment.

E. These guidelines may be reconsidered or amended by the Committee.

Esselstyn Report: Attachment L

More detailed tables for comparative characteristics of House plans

Population Deviation:

The deviation statistics for each individual district in the respective plans can be found in **Attachment I** and **Attachment J**. Below are the summary statistics generated by the *Maptitude for Redistricting* software.

Enacted plan:

Population Range:	58,678 to 60,308
Ratio Range:	0.03
Absolute Range:	-833 to 797
Absolute Overall Range:	1,630
Relative Range:	-1.40% to 1.34%
Relative Overall Range:	2.74%
Absolute Mean Deviation:	363.71
Relative Mean Deviation:	0.61%
Standard Deviation:	417.67

Illustrative plan:

Population Range:	58,358 to 60,647
Ratio Range:	0.04
Absolute Range:	-1,153 to 1,136
Absolute Overall Range:	2,289
Relative Range:	-1.94% to 1.91%
Relative Overall Range:	3.85%
Absolute Mean Deviation:	379.46
Relative Mean Deviation:	0.64%
Standard Deviation:	442.99

Compactness:

Below is the compactness report for the House enacted plan.

User:
Plan Name: **EnacHSEfromGA**
Plan Type:

Measures of Compactness Report

Tuesday, January 11, 2022 9:53 PM

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
001	0.53	1.45	0.45	0.85
002	0.53	1.95	0.24	0.71
003	0.50	1.49	0.41	0.83
004	0.37	1.93	0.21	0.72
005	0.43	1.67	0.25	0.73
006	0.45	1.72	0.26	0.77
007	0.62	1.31	0.50	0.89
008	0.46	1.71	0.27	0.71
009	0.47	1.63	0.30	0.78
010	0.34	1.48	0.30	0.81
011	0.31	1.72	0.26	0.71

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
012	0.47	1.66	0.31	0.85
013	0.47	2.06	0.19	0.74
014	0.32	1.95	0.23	0.73
015	0.55	1.63	0.33	0.79
016	0.31	1.57	0.35	0.88
017	0.28	1.97	0.21	0.64
018	0.41	1.88	0.25	0.76
019	0.26	1.90	0.26	0.68
020	0.46	1.40	0.45	0.81
021	0.26	1.81	0.27	0.73
022	0.28	1.80	0.22	0.69
023	0.40	1.84	0.19	0.69
024	0.35	1.77	0.30	0.79
025	0.39	1.69	0.31	0.68

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
026	0.27	1.82	0.26	0.70
027	0.60	1.54	0.34	0.82
028	0.38	1.58	0.35	0.80
029	0.34	1.97	0.21	0.62
030	0.43	1.71	0.30	0.66
031	0.44	1.67	0.25	0.70
032	0.39	1.64	0.33	0.73
033	0.49	1.53	0.37	0.80
034	0.45	1.61	0.33	0.75
035	0.32	1.76	0.24	0.73
036	0.32	1.90	0.23	0.68
037	0.45	1.66	0.28	0.82
038	0.59	1.28	0.58	0.91
039	0.59	1.45	0.40	0.87

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
040	0.49	1.69	0.29	0.76
041	0.60	1.47	0.40	0.85
042	0.40	2.01	0.21	0.64
043	0.42	1.94	0.22	0.69
044	0.31	1.76	0.29	0.73
045	0.41	1.64	0.32	0.77
046	0.55	1.42	0.47	0.84
047	0.29	2.02	0.21	0.61
048	0.34	2.12	0.19	0.62
049	0.30	2.23	0.15	0.59
050	0.42	1.40	0.46	0.77
051	0.54	1.60	0.36	0.73
052	0.48	1.65	0.35	0.72
053	0.16	2.52	0.14	0.50

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
054	0.37	1.49	0.45	0.87
055	0.18	2.42	0.16	0.59
056	0.26	2.04	0.23	0.69
057	0.57	1.30	0.59	0.91
058	0.13	2.76	0.13	0.54
059	0.12	2.98	0.11	0.46
060	0.19	2.39	0.15	0.58
061	0.25	2.12	0.20	0.64
062	0.16	2.92	0.10	0.48
063	0.16	2.61	0.14	0.49
064	0.37	1.60	0.36	0.78
065	0.46	2.06	0.17	0.72
066	0.36	1.94	0.25	0.67
067	0.36	2.39	0.12	0.61

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
068	0.32	2.19	0.17	0.71
069	0.40	1.88	0.25	0.69
070	0.45	1.94	0.23	0.65
071	0.44	1.56	0.35	0.79
072	0.42	1.86	0.23	0.73
073	0.28	2.12	0.20	0.66
074	0.50	1.79	0.25	0.76
075	0.42	1.82	0.28	0.64
076	0.53	1.33	0.51	0.86
077	0.40	2.11	0.21	0.64
078	0.21	2.08	0.19	0.62
079	0.50	2.06	0.21	0.73
080	0.38	1.49	0.42	0.79
081	0.47	1.54	0.40	0.81

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
082	0.49	1.74	0.30	0.72
083	0.34	1.62	0.36	0.80
084	0.25	1.97	0.20	0.67
085	0.36	1.65	0.32	0.77
086	0.17	2.34	0.17	0.55
087	0.26	1.97	0.24	0.70
088	0.26	2.14	0.20	0.67
089	0.14	2.90	0.10	0.47
090	0.36	1.78	0.29	0.83
091	0.45	2.08	0.20	0.62
092	0.36	1.98	0.20	0.71
093	0.26	2.66	0.11	0.54
094	0.31	2.42	0.15	0.56
095	0.44	1.72	0.25	0.75

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
096	0.18	2.18	0.21	0.66
097	0.28	1.96	0.24	0.67
098	0.42	1.35	0.52	0.88
099	0.36	1.80	0.29	0.72
100	0.34	1.78	0.29	0.66
101	0.53	1.44	0.46	0.82
102	0.56	1.58	0.35	0.77
103	0.33	1.96	0.24	0.62
104	0.28	1.90	0.25	0.74
105	0.34	1.78	0.28	0.69
106	0.66	1.36	0.50	0.85
107	0.51	1.68	0.32	0.75
108	0.43	1.64	0.32	0.71
109	0.39	1.70	0.28	0.70

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
110	0.36	1.68	0.33	0.74
111	0.33	1.76	0.29	0.68
112	0.62	1.26	0.52	0.91
113	0.50	1.57	0.32	0.85
114	0.51	1.70	0.28	0.71
115	0.44	1.92	0.23	0.63
116	0.41	1.81	0.28	0.63
117	0.41	1.74	0.28	0.75
118	0.35	1.92	0.22	0.68
119	0.39	1.89	0.21	0.64
120	0.44	1.83	0.25	0.72
121	0.43	1.61	0.30	0.76
122	0.48	1.48	0.43	0.85
123	0.30	1.89	0.18	0.69

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
124	0.44	1.78	0.23	0.69
125	0.41	1.89	0.17	0.72
126	0.52	1.39	0.41	0.80
127	0.35	2.17	0.20	0.58
128	0.60	1.51	0.32	0.79
129	0.48	1.94	0.25	0.66
130	0.51	1.48	0.25	0.75
131	0.38	1.74	0.28	0.70
132	0.27	1.69	0.30	0.75
133	0.55	1.36	0.42	0.83
134	0.33	1.96	0.23	0.67
135	0.57	1.32	0.42	0.88
136	0.54	1.74	0.26	0.77
137	0.33	2.22	0.16	0.57

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
138	0.33	2.00	0.20	0.70
139	0.28	1.93	0.23	0.66
140	0.29	2.06	0.19	0.65
141	0.26	2.16	0.20	0.52
142	0.35	1.82	0.23	0.70
143	0.50	1.53	0.30	0.79
144	0.51	1.56	0.32	0.84
145	0.38	1.85	0.19	0.72
146	0.26	2.00	0.19	0.62
147	0.33	1.84	0.26	0.64
148	0.44	1.81	0.24	0.69
149	0.32	1.68	0.22	0.72
150	0.44	1.67	0.28	0.78
151	0.53	1.82	0.22	0.71

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
152	0.40	1.68	0.30	0.81
153	0.30	1.73	0.30	0.70
154	0.41	1.48	0.33	0.79
155	0.49	1.33	0.48	0.89
156	0.23	1.92	0.20	0.67
157	0.32	1.95	0.19	0.72
158	0.48	1.52	0.33	0.80
159	0.34	1.62	0.22	0.73
160	0.49	1.32	0.37	0.88
161	0.51	1.51	0.31	0.81
162	0.37	1.99	0.21	0.61
163	0.27	2.34	0.18	0.54
164	0.30	2.10	0.17	0.66
165	0.23	2.23	0.16	0.52

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
166	0.43	1.43	0.36	0.82
167	0.42	1.97	0.19	0.65
168	0.24	1.67	0.26	0.69
169	0.28	1.97	0.23	0.64
170	0.53	1.49	0.34	0.82
171	0.35	1.46	0.37	0.83
172	0.44	1.59	0.32	0.77
173	0.57	1.46	0.38	0.85
174	0.41	1.70	0.24	0.75
175	0.47	1.54	0.37	0.83
176	0.34	2.23	0.16	0.54
177	0.43	1.57	0.34	0.76
178	0.48	1.83	0.22	0.75
179	0.45	1.39	0.42	0.87

Measures of Compactness Report

Number of cut edges: 22,020

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.80	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
180	**0.61**	**1.23**	**0.40**	**0.85**

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Schwartzberg	The measure is usually greater than or equal to 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.
Area / Convex Hull	The measure is always between 0 and 1, with 1 being the most compact.
Cut Edges	A smaller number implies a more compact plan. The measure should only be used to compare plans defined on the same base layer.

Below is the compactness report for the House illustrative plan.

User:
Plan Name: **GA House Illustrative**
Plan Type:

Measures of Compactness Report

Saturday, December 3, 2022 10:02 PM

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
1	0.53	1.45	0.45	0.85
2	0.53	1.95	0.24	0.71
3	0.50	1.49	0.41	0.83
4	0.37	1.93	0.21	0.72
5	0.43	1.67	0.25	0.73
6	0.45	1.72	0.26	0.77
7	0.62	1.31	0.50	0.89
8	0.46	1.71	0.27	0.71
9	0.47	1.63	0.30	0.78
10	0.34	1.48	0.30	0.81
11	0.31	1.72	0.26	0.71

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
12	0.47	1.66	0.31	0.85
13	0.47	2.06	0.19	0.74
14	0.32	1.95	0.23	0.73
15	0.55	1.63	0.33	0.79
16	0.31	1.57	0.35	0.88
17	0.28	1.97	0.21	0.64
18	0.41	1.88	0.25	0.76
19	0.26	1.90	0.26	0.68
20	0.46	1.40	0.45	0.81
21	0.26	1.81	0.27	0.73
22	0.28	1.80	0.22	0.69
23	0.40	1.84	0.19	0.69
24	0.35	1.77	0.30	0.79
25	0.39	1.69	0.31	0.68

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
26	0.27	1.82	0.26	0.70
27	0.60	1.54	0.34	0.82
28	0.38	1.58	0.35	0.80
29	0.34	1.97	0.21	0.62
30	0.43	1.71	0.30	0.66
31	0.44	1.67	0.25	0.70
32	0.39	1.64	0.33	0.73
33	0.49	1.53	0.37	0.80
34	0.45	1.61	0.33	0.75
35	0.32	1.76	0.24	0.73
36	0.32	1.90	0.23	0.68
37	0.45	1.66	0.28	0.82
38	0.59	1.28	0.58	0.91
39	0.59	1.45	0.40	0.87

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
40	0.49	1.69	0.29	0.76
41	0.60	1.47	0.40	0.85
42	0.40	2.01	0.21	0.64
43	0.42	1.94	0.22	0.69
44	0.31	1.76	0.29	0.73
45	0.41	1.64	0.32	0.77
46	0.55	1.42	0.47	0.84
47	0.29	2.02	0.21	0.61
48	0.34	2.12	0.19	0.62
49	0.30	2.23	0.15	0.59
50	0.42	1.40	0.46	0.77
51	0.54	1.60	0.36	0.73
52	0.48	1.65	0.35	0.72
53	0.16	2.52	0.14	0.50

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
54	0.37	1.49	0.45	0.87
55	0.18	2.42	0.16	0.59
56	0.26	2.04	0.23	0.69
57	0.57	1.30	0.59	0.91
58	0.13	2.76	0.13	0.54
59	0.12	2.98	0.11	0.46
60	0.19	2.39	0.15	0.58
61	0.33	2.05	0.21	0.60
62	0.16	2.92	0.10	0.48
63	0.16	2.61	0.14	0.49
64	0.22	2.05	0.22	0.59
65	0.36	2.59	0.11	0.59
66	0.39	1.63	0.35	0.79
67	0.36	2.39	0.12	0.61

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
68	0.32	2.19	0.17	0.71
69	0.33	2.06	0.22	0.68
70	0.45	1.94	0.23	0.65
71	0.44	1.56	0.35	0.79
72	0.42	1.86	0.23	0.73
73	0.28	2.12	0.20	0.66
74	0.30	1.98	0.19	0.61
75	0.46	2.23	0.18	0.68
76	0.53	1.33	0.51	0.86
77	0.40	2.11	0.21	0.64
78	0.31	2.05	0.18	0.65
79	0.50	2.06	0.21	0.73
80	0.38	1.49	0.42	0.79
81	0.47	1.54	0.40	0.81

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
82	0.49	1.74	0.30	0.72
83	0.34	1.62	0.36	0.80
84	0.25	1.97	0.20	0.67
85	0.36	1.65	0.32	0.77
86	0.17	2.34	0.17	0.55
87	0.26	1.97	0.24	0.70
88	0.26	2.14	0.20	0.67
89	0.14	2.90	0.10	0.47
90	0.36	1.78	0.29	0.83
91	0.27	2.15	0.17	0.63
92	0.36	1.98	0.20	0.71
93	0.26	2.66	0.11	0.54
94	0.31	2.42	0.15	0.56
95	0.44	1.72	0.25	0.75

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
96	0.18	2.18	0.21	0.66
97	0.28	1.96	0.24	0.67
98	0.42	1.35	0.52	0.88
99	0.36	1.80	0.29	0.72
100	0.34	1.78	0.29	0.66
101	0.53	1.44	0.46	0.82
102	0.56	1.58	0.35	0.77
103	0.33	1.96	0.24	0.62
104	0.28	1.90	0.25	0.74
105	0.34	1.78	0.28	0.69
106	0.66	1.36	0.50	0.85
107	0.51	1.68	0.32	0.75
108	0.43	1.64	0.32	0.71
109	0.39	1.70	0.28	0.70

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
110	0.36	1.68	0.33	0.74
111	0.33	1.76	0.29	0.68
112	0.62	1.26	0.52	0.91
113	0.50	1.57	0.32	0.85
114	0.51	1.70	0.28	0.71
115	0.29	1.77	0.28	0.71
116	0.33	1.98	0.23	0.62
117	0.40	1.62	0.33	0.76
118	0.35	1.92	0.22	0.68
119	0.39	1.89	0.21	0.64
120	0.44	1.83	0.25	0.72
121	0.43	1.61	0.30	0.76
122	0.48	1.48	0.43	0.85
123	0.30	1.89	0.18	0.69

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
124	0.44	1.78	0.23	0.69
125	0.41	1.89	0.17	0.72
126	0.52	1.39	0.41	0.80
127	0.35	2.17	0.20	0.58
128	0.60	1.51	0.32	0.79
129	0.48	1.94	0.25	0.66
130	0.51	1.48	0.25	0.75
131	0.38	1.74	0.28	0.70
132	0.27	1.69	0.30	0.75
133	0.36	1.69	0.29	0.76
134	0.37	1.73	0.31	0.74
135	0.39	1.79	0.23	0.69
136	0.54	1.74	0.26	0.77
137	0.33	2.22	0.16	0.57

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
138	0.33	2.00	0.20	0.70
139	0.28	1.93	0.23	0.66
140	0.29	2.06	0.19	0.65
141	0.26	2.16	0.20	0.52
142	0.56	1.42	0.36	0.84
143	0.31	1.85	0.26	0.65
144	0.43	1.83	0.22	0.71
145	0.34	1.63	0.21	0.76
146	0.50	1.79	0.26	0.68
147	0.44	1.57	0.37	0.80
148	0.35	2.23	0.18	0.59
149	0.46	1.48	0.28	0.83
150	0.44	1.67	0.28	0.78
151	0.53	1.82	0.22	0.71

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
152	0.40	1.68	0.30	0.81
153	0.30	1.73	0.30	0.70
154	0.41	1.48	0.33	0.79
155	0.47	1.40	0.44	0.86
156	0.25	1.94	0.20	0.71
157	0.32	1.95	0.19	0.72
158	0.48	1.52	0.33	0.80
159	0.34	1.62	0.22	0.73
160	0.49	1.32	0.37	0.88
161	0.51	1.51	0.31	0.81
162	0.37	1.99	0.21	0.61
163	0.27	2.34	0.18	0.54
164	0.30	2.10	0.17	0.66
165	0.23	2.23	0.16	0.52

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
166	0.43	1.43	0.36	0.82
167	0.42	1.97	0.19	0.65
168	0.24	1.67	0.26	0.69
169	0.28	1.97	0.23	0.64
170	0.53	1.49	0.34	0.82
171	0.35	1.46	0.37	0.83
172	0.44	1.59	0.32	0.77
173	0.57	1.46	0.38	0.85
174	0.41	1.70	0.24	0.75
175	0.47	1.54	0.37	0.83
176	0.34	2.23	0.16	0.54
177	0.43	1.57	0.34	0.76
178	0.48	1.83	0.22	0.75
179	0.45	1.39	0.42	0.87

Measures of Compactness Report

Number of cut edges: 22,359

	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
Sum	N/A	N/A	N/A	N/A
Min	0.12	1.23	0.10	0.46
Max	0.66	2.98	0.59	0.91
Mean	0.39	1.81	0.28	0.72
Std. Dev.	0.11	0.33	0.10	0.10

District	Reock	Schwartzberg	Polsby-Popper	Area/Convex Hull
180	**0.61**	**1.23**	**0.40**	**0.85**

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Schwartzberg	The measure is usually greater than or equal to 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.
Area / Convex Hull	The measure is always between 0 and 1, with 1 being the most compact.
Cut Edges	A smaller number implies a more compact plan. The measure should only be used to compare plans defined on the same base layer.

Divisions of counties and precincts (VTDs):

Below is the political subdivisions splits report for the House enacted plan.

Related note: The first page of the following report generated by *Maptitude for Redistricting* software reports a total number of Voting District (VTD) "subdivisions split in to more than one district," namely 184. However, the "Split Counts" "Voting District" section of the report indicates that "[c]ases where an area is split among 2 Districts" total 175, and "[c]ases where an area is split among 3 Districts" total 10—and the total of 175 and 10 equals 185, not 184. In correspondence with Caliper Corporation (the company that produces *Maptitude for Redistricting*), I have verified that 185 is the correct total, hence that is the number provided in the summary table in section IV.C. of the expert report, not 184.

User:
Plan Name: **GA House Enacted**
Plan Type:

Political Subdivision Splits Between Districts

Saturday, December 3, 2022 10:53 PM

Number of subdivisions not split:

County	90
Voting District	2,514

Number of subdivisions split into more than one district:

County	69
Voting District	184

Number of splits involving no population:

County	0
Voting District	16

Split Counts

County

Cases where an area is split among 2 Districts: 34
Cases where an area is split among 3 Districts: 9
Cases where an area is split among 4 Districts: 12
Cases where an area is split among 5 Districts: 4
Cases where an area is split among 6 Districts: 3
Cases where an area is split among 7 Districts: 2
Cases where an area is split among 9 Districts: 1
Cases where an area is split among 14 Districts: 1
Cases where an area is split among 17 Districts: 1
Cases where an area is split among 21 Districts: 1
Cases where an area is split among 22 Districts: 1

Voting District

Cases where an area is split among 2 Districts: 175
Cases where an area is split among 3 Districts: 10

County	Voting District	District	Population
Split Counties:			
Appling GA		157	12,825
Appling GA		178	5,619
Baldwin GA		128	5,158
Baldwin GA		133	38,641
Barrow GA		104	24,245
Barrow GA		119	54,736
Barrow GA		120	4,524
Bartow GA		14	49,688
Bartow GA		15	59,213
Ben Hill GA		148	5,115
Ben Hill GA		156	12,079
Bibb GA		142	59,608
Bibb GA		143	59,469
Bibb GA		144	33,948

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Bibb GA		145	4,321
Bryan GA		160	11,008
Bryan GA		164	21,420
Bryan GA		166	12,310
Bulloch GA		158	19,285
Bulloch GA		159	12,887
Bulloch GA		160	48,927
Carroll GA		18	18,789
Carroll GA		70	2,854
Carroll GA		71	59,538
Carroll GA		72	37,967
Catoosa GA		2	7,673
Catoosa GA		3	60,199
Chatham GA		161	28,269
Chatham GA		162	60,308
Chatham GA		163	60,123
Chatham GA		164	38,681
Chatham GA		165	59,978
Chatham GA		166	47,932
Cherokee GA		11	6,557
Cherokee GA		14	9,447
Cherokee GA		20	60,107
Cherokee GA		21	59,529
Cherokee GA		22	30,874
Cherokee GA		23	59,048
Cherokee GA		44	21,989
Cherokee GA		46	15,178
Cherokee GA		47	3,891
Clarke GA		120	30,095
Clarke GA		121	26,478
Clarke GA		122	59,632
Clarke GA		124	12,466
Clayton GA		75	59,743
Clayton GA		76	59,759
Clayton GA		77	59,242
Clayton GA		78	55,197
Clayton GA		79	59,500
Clayton GA		116	4,154
Cobb GA		22	28,586
Cobb GA		34	59,875
Cobb GA		35	59,889
Cobb GA		36	59,994
Cobb GA		37	59,176
Cobb GA		38	59,317
Cobb GA		39	59,381
Cobb GA		40	59,044
Cobb GA		41	60,122

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Cobb GA		42	59,620
Cobb GA		43	59,464
Cobb GA		44	38,013
Cobb GA		45	59,738
Cobb GA		46	43,930
Coffee GA		169	33,736
Coffee GA		176	9,356
Columbia GA		123	2,205
Columbia GA		125	55,389
Columbia GA		127	39,526
Columbia GA		131	58,890
Cook GA		170	7,342
Cook GA		172	9,887
Coweta GA		65	13,008
Coweta GA		67	17,272
Coweta GA		70	56,267
Coweta GA		73	31,608
Coweta GA		136	28,003
Dawson GA		7	2,409
Dawson GA		9	24,389
DeKalb GA		52	28,300
DeKalb GA		80	59,461
DeKalb GA		81	59,007
DeKalb GA		82	59,724
DeKalb GA		83	59,416
DeKalb GA		84	59,862
DeKalb GA		85	59,373
DeKalb GA		86	59,205
DeKalb GA		87	59,709
DeKalb GA		88	47,844
DeKalb GA		89	59,866
DeKalb GA		90	59,812
DeKalb GA		91	19,700
DeKalb GA		92	15,607
DeKalb GA		93	11,690
DeKalb GA		94	31,207
DeKalb GA		95	14,599
Dougherty GA		151	6,268
Dougherty GA		152	6,187
Dougherty GA		153	59,299
Dougherty GA		154	14,036
Douglas GA		61	30,206
Douglas GA		64	35,576
Douglas GA		65	19,408
Douglas GA		66	59,047
Effingham GA		159	32,941
Effingham GA		161	31,828

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Fayette GA		68	29,719
Fayette GA		69	37,303
Fayette GA		73	28,428
Fayette GA		74	23,744
Floyd GA		5	5,099
Floyd GA		12	34,335
Floyd GA		13	59,150
Forsyth GA		11	19,019
Forsyth GA		24	59,011
Forsyth GA		25	46,134
Forsyth GA		26	59,248
Forsyth GA		28	50,864
Forsyth GA		100	17,007
Fulton GA		25	13,280
Fulton GA		47	55,235
Fulton GA		48	43,976
Fulton GA		49	59,153
Fulton GA		50	59,523
Fulton GA		51	58,952
Fulton GA		52	31,511
Fulton GA		53	59,953
Fulton GA		54	60,083
Fulton GA		55	59,971
Fulton GA		56	58,929
Fulton GA		57	59,969
Fulton GA		58	59,057
Fulton GA		59	59,434
Fulton GA		60	59,709
Fulton GA		61	29,096
Fulton GA		62	59,450
Fulton GA		63	59,381
Fulton GA		65	27,048
Fulton GA		67	41,863
Fulton GA		68	29,758
Fulton GA		69	21,379
Glynn GA		167	20,499
Glynn GA		179	59,356
Glynn GA		180	4,644
Gordon GA		5	53,738
Gordon GA		6	3,806
Grady GA		171	8,115
Grady GA		173	18,121
Gwinnett GA		30	8,620
Gwinnett GA		48	15,027
Gwinnett GA		88	11,845
Gwinnett GA		94	28,004
Gwinnett GA		95	34,221

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Gwinnett GA		96	59,515
Gwinnett GA		97	59,072
Gwinnett GA		98	59,998
Gwinnett GA		99	59,850
Gwinnett GA		100	35,204
Gwinnett GA		101	59,938
Gwinnett GA		102	58,959
Gwinnett GA		103	51,691
Gwinnett GA		104	35,117
Gwinnett GA		105	59,344
Gwinnett GA		106	59,112
Gwinnett GA		107	59,702
Gwinnett GA		108	59,577
Gwinnett GA		109	59,630
Gwinnett GA		110	59,951
Gwinnett GA		111	22,685
Habersham GA		10	42,636
Habersham GA		32	3,395
Hall GA		27	54,508
Hall GA		28	8,108
Hall GA		29	59,200
Hall GA		30	50,646
Hall GA		31	14,349
Hall GA		100	7,819
Hall GA		103	8,506
Harris GA		138	21,634
Harris GA		139	13,034
Henry GA		74	18,397
Henry GA		78	3,847
Henry GA		91	35,569
Henry GA		115	60,174
Henry GA		116	55,759
Henry GA		117	54,737
Henry GA		118	12,229
Houston GA		145	28,132
Houston GA		146	60,203
Houston GA		147	59,178
Houston GA		148	16,120
Jackson GA		31	45,552
Jackson GA		32	10,931
Jackson GA		119	4,211
Jackson GA		120	15,213
Jasper GA		114	2,855
Jasper GA		118	11,733
Jones GA		133	20,561
Jones GA		144	7,786
Lamar GA		134	5,026

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Lamar GA		135	13,474
Liberty GA		167	5,109
Liberty GA		168	60,147
Lowndes GA		174	9,770
Lowndes GA		175	43,692
Lowndes GA		176	4,797
Lowndes GA		177	59,992
Lumpkin GA		9	29,201
Lumpkin GA		27	4,287
Madison GA		33	9,935
Madison GA		123	20,185
McDuffie GA		125	4,748
McDuffie GA		128	16,884
Meriwether GA		136	13,382
Meriwether GA		137	7,231
Monroe GA		134	9,272
Monroe GA		144	17,498
Monroe GA		145	1,187
Muscogee GA		137	30,443
Muscogee GA		138	12,190
Muscogee GA		139	45,976
Muscogee GA		140	59,294
Muscogee GA		141	59,019
Newton GA		93	15,515
Newton GA		113	60,053
Newton GA		114	36,915
Oconee GA		120	9,150
Oconee GA		121	32,649
Paulding GA		16	16,549
Paulding GA		17	59,120
Paulding GA		18	10,627
Paulding GA		19	58,955
Paulding GA		64	23,410
Peach GA		145	14,093
Peach GA		150	13,888
Putnam GA		118	10,591
Putnam GA		124	11,456
Richmond GA		126	25,990
Richmond GA		127	19,152
Richmond GA		129	58,829
Richmond GA		130	59,203
Richmond GA		132	43,433
Rockdale GA		91	4,781
Rockdale GA		92	44,666
Rockdale GA		93	32,913
Rockdale GA		95	11,210
Spalding GA		74	16,815

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Spalding GA		117	5,393
Spalding GA		134	45,098
Sumter GA		150	14,282
Sumter GA		151	15,334
Tattnall GA		156	1,263
Tattnall GA		157	21,579
Telfair GA		149	9,486
Telfair GA		156	2,991
Thomas GA		172	4,176
Thomas GA		173	41,622
Tift GA		169	6,730
Tift GA		170	34,614
Troup GA		72	10,281
Troup GA		136	17,913
Troup GA		137	16,144
Troup GA		138	25,088
Walker GA		1	43,415
Walker GA		2	24,239
Walton GA		111	37,324
Walton GA		112	59,349
Ware GA		174	9,097
Ware GA		176	27,154
Wayne GA		167	6,742
Wayne GA		178	23,402
White GA		8	22,119
White GA		9	5,884
Whitfield GA		2	27,861
Whitfield GA		4	59,070
Whitfield GA		6	15,933
Split VTDs:			
Barrow GA	16	104	1,708
Barrow GA	16	119	8,060
Bartow GA	CASSVILLE	14	15,558
Bartow GA	CASSVILLE	15	1,047
Bartow GA	WHITE	14	3,335
Bartow GA	WHITE	15	211
Ben Hill GA	WEST	148	5,115
Ben Hill GA	WEST	156	5,229
Bibb GA	HOWARD 1	142	2,326
Bibb GA	HOWARD 1	144	3,617
Bibb GA	HOWARD 2	142	2,369
Bibb GA	HOWARD 2	144	3,076
Bibb GA	HOWARD 3	142	0
Bibb GA	HOWARD 3	144	12,654
Bibb GA	WARRIOR 2	142	4,426
Bibb GA	WARRIOR 2	145	852
Bryan GA	DANIELSIDING	164	1,268

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Bryan GA	DANIELSIDING	166	1,741
Bryan GA	HWY 144 EAST	164	4,552
Bryan GA	HWY 144 EAST	166	4,707
Bryan GA	J.F.GREGORY PARK	164	3,489
Bryan GA	J.F.GREGORY PARK	166	144
Bulloch GA	CHURCH	158	3,764
Bulloch GA	CHURCH	159	5,869
Carroll GA	BONNER	71	410
Carroll GA	BONNER	72	5,554
Chatham GA	CRUSADER COMMUNITY CENTER	162	2,134
Chatham GA	CRUSADER COMMUNITY CENTER	166	1,493
Chatham GA	GEORGETOWN ELEMENTAR	164	5,562
Chatham GA	GEORGETOWN ELEMENTAR	166	0
Chatham GA	GRACE UNITED METHODIST CHURCH	163	2,064
Chatham GA	GRACE UNITED METHODIST CHURCH	165	397
Chatham GA	ROTHWELL BAPTIST CHURCH	161	5,335
Chatham GA	ROTHWELL BAPTIST CHURCH	164	4,987
Chatham GA	THE LIGHT CHURCH	162	1,177
Chatham GA	THE LIGHT CHURCH	163	1,109
Chatham GA	WINDSOR FOREST BAPTIST CHURCH SCHOOL	163	785
Chatham GA	WINDSOR FOREST BAPTIST CHURCH SCHOOL	166	1,890
Cherokee GA	CARMEL	20	5,626
Cherokee GA	CARMEL	22	1,222
Cherokee GA	CARMEL	44	0
Cherokee GA	FREEHOME	21	3,200
Cherokee GA	FREEHOME	47	3,891
Cherokee GA	HOLLY SPRINGS	21	2,250
Cherokee GA	HOLLY SPRINGS	23	2,578
Clarke GA	1A	122	2,758
Clarke GA	1A	124	2,286
Clarke GA	4B	121	7,082
Clarke GA	4B	122	5,589
Clarke GA	7C	120	1,922
Clarke GA	7C	121	3,184
Clayton GA	LOVEJOY 1	75	5,018
Clayton GA	LOVEJOY 1	78	601

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Clayton GA	LOVEJOY 3	78	9,099
Clayton GA	LOVEJOY 3	116	4,154
Clayton GA	MORROW 4	76	1,911
Clayton GA	MORROW 4	78	1,316
Cobb GA	Acworth 1B	35	7,322
Cobb GA	Acworth 1B	36	142
Cobb GA	Baker 01	22	5,226
Cobb GA	Baker 01	35	1,996
Cobb GA	Bells Ferry 03	22	4,918
Cobb GA	Bells Ferry 03	44	3,763
Cobb GA	Dobbins 01	42	11,055
Cobb GA	Dobbins 01	43	2,346
Cobb GA	Elizabeth 01	34	700
Cobb GA	Elizabeth 01	37	5,170
Cobb GA	Elizabeth 04	37	2,031
Cobb GA	Elizabeth 04	43	2,387
Cobb GA	Kennesaw 1A	22	599
Cobb GA	Kennesaw 1A	35	3,844
Cobb GA	Kennesaw 3A	22	0
Cobb GA	Kennesaw 3A	34	871
Cobb GA	Kennesaw 3A	35	8,631
Cobb GA	Lassiter 01	44	2,121
Cobb GA	Lassiter 01	46	2,600
Cobb GA	Lindley 01	39	5,678
Cobb GA	Lindley 01	40	582
Cobb GA	Mableton 01	38	1,589
Cobb GA	Mableton 01	39	5,513
Cobb GA	Mableton 02	38	256
Cobb GA	Mableton 02	39	5,427
Cobb GA	Marietta 1A	37	3,349
Cobb GA	Marietta 1A	43	6,645
Cobb GA	Marietta 2A	34	1,664
Cobb GA	Marietta 2A	37	811
Cobb GA	Marietta 5A	37	2,877
Cobb GA	Marietta 5A	43	1,457
Cobb GA	Marietta 6A	37	1,532
Cobb GA	Marietta 6A	43	3,022
Cobb GA	Marietta 7A	42	1,494
Cobb GA	Marietta 7A	43	5,417
Cobb GA	North Cobb 01	35	2,611
Cobb GA	North Cobb 01	36	559
Cobb GA	Norton Park 01	41	1,955
Cobb GA	Norton Park 01	42	5,846
Cobb GA	Oregon 03	37	6,683
Cobb GA	Oregon 03	41	6,305
Cobb GA	Pine Mountain 02	34	3,976
Cobb GA	Pine Mountain 02	35	0

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Cobb GA	Smyrna 1A	40	1,292
Cobb GA	Smyrna 1A	42	5,341
Cobb GA	Smyrna 4A	40	6,599
Cobb GA	Smyrna 4A	42	1,609
Cobb GA	Smyrna 7A	39	905
Cobb GA	Smyrna 7A	40	7,690
Coffee GA	DOUGLAS	169	19,642
Coffee GA	DOUGLAS	176	8,929
Columbia GA	PATRIOTS PARK	125	326
Columbia GA	PATRIOTS PARK	131	5,958
Coweta GA	JEFFERSON PARKWAY	70	12,590
Coweta GA	JEFFERSON PARKWAY	73	1,521
DeKalb GA	Cedar Grove Middle	89	2,204
DeKalb GA	Cedar Grove Middle	90	316
DeKalb GA	Clarkston	85	5,454
DeKalb GA	Clarkston	86	9,300
DeKalb GA	Dresden Elem (CHA)	81	5,398
DeKalb GA	Dresden Elem (CHA)	83	7,691
DeKalb GA	Freedom Middle	86	1,002
DeKalb GA	Freedom Middle	87	3,088
DeKalb GA	Glennwood (DEC)	82	2,059
DeKalb GA	Glennwood (DEC)	84	1,221
DeKalb GA	Glenwood Road	85	1,698
DeKalb GA	Glenwood Road	86	1,064
DeKalb GA	Memorial South	86	2,226
DeKalb GA	Memorial South	87	2,547
DeKalb GA	Panola Road	86	3,296
DeKalb GA	Panola Road	94	460
DeKalb GA	Redan Middle	87	1,419
DeKalb GA	Redan Middle	88	1,633
DeKalb GA	Rockbridge Road	94	3,736
DeKalb GA	Rockbridge Road	95	1,104
DeKalb GA	Snapfinger Road South	84	920
DeKalb GA	Snapfinger Road South	91	1,271
DeKalb GA	Stone Mill Elem	87	1,863
DeKalb GA	Stone Mill Elem	88	4,069
DeKalb GA	Stone Mountain Champion (STO)	87	1,338
DeKalb GA	Stone Mountain Champion (STO)	88	2,865
DeKalb GA	Stone Mountain Middle (TUC)	87	656
DeKalb GA	Stone Mountain Middle (TUC)	88	3,960
DeKalb GA	Tucker Library (TUC)	81	2,394
DeKalb GA	Tucker Library (TUC)	88	1,635
Dougherty GA	DARTON COLLEGE	151	4,018
Dougherty GA	DARTON COLLEGE	153	2,465

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Dougherty GA	MT ZION CENTER	153	1,245
Dougherty GA	MT ZION CENTER	154	3,972
Effingham GA	4B	159	1,960
Effingham GA	4B	161	959
Fayette GA	ABERDEEN	68	983
Fayette GA	ABERDEEN	73	1,392
Fayette GA	BRAELINN	73	605
Fayette GA	BRAELINN	74	1,646
Fayette GA	STARRSMILL	73	1,932
Fayette GA	STARRSMILL	74	2,452
Floyd GA	ALTO PARK	12	1,576
Floyd GA	ALTO PARK	13	3,847
Floyd GA	MT ALTO NORTH	12	1,080
Floyd GA	MT ALTO NORTH	13	4,509
Forsyth GA	BROWNS BRIDGE	26	10,116
Forsyth GA	BROWNS BRIDGE	28	2,801
Forsyth GA	CONCORD	11	7,687
Forsyth GA	CONCORD	28	7,982
Forsyth GA	CUMMING	26	4,666
Forsyth GA	CUMMING	28	2,410
Forsyth GA	HEARDSVILLE	11	11,332
Forsyth GA	HEARDSVILLE	24	1,335
Forsyth GA	HEARDSVILLE	28	333
Forsyth GA	OTWELL	24	3,988
Forsyth GA	OTWELL	26	6,597
Forsyth GA	OTWELL	28	7,875
Forsyth GA	POLO	24	9,868
Forsyth GA	POLO	25	0
Forsyth GA	POLO	26	15,990
Forsyth GA	SOUTH FORSYTH	25	10,064
Forsyth GA	SOUTH FORSYTH	100	11,887
Forsyth GA	WINDERMERE	26	11,718
Forsyth GA	WINDERMERE	100	5,120
Fulton GA	08C	53	1,524
Fulton GA	08C	60	335
Fulton GA	09K	55	3,033
Fulton GA	09K	60	4,105
Fulton GA	10D	55	1,756
Fulton GA	10D	60	4,311
Fulton GA	11C	55	340
Fulton GA	11C	60	3,418
Fulton GA	AP022	48	862
Fulton GA	AP022	49	2,505
Fulton GA	AP07B	47	1,250
Fulton GA	AP07B	49	1,304
Fulton GA	AP14	48	4,109
Fulton GA	AP14	49	281

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Fulton GA	EP01B	59	2,393
Fulton GA	EP01B	62	2,049
Fulton GA	JC19	48	3,608
Fulton GA	JC19	51	1,792
Fulton GA	ML012	47	501
Fulton GA	ML012	49	123
Fulton GA	ML01B	47	284
Fulton GA	ML01B	49	61
Fulton GA	RW03	51	1,292
Fulton GA	RW03	53	6,066
Fulton GA	RW09	47	2,971
Fulton GA	RW09	49	4,750
Fulton GA	SC02	60	220
Fulton GA	SC02	61	773
Fulton GA	SC05B	61	1,575
Fulton GA	SC05B	65	2,978
Fulton GA	SC07A	65	1,028
Fulton GA	SC07A	67	7,728
Fulton GA	SC08B	62	92
Fulton GA	SC08B	68	5,255
Fulton GA	SC13	65	2,858
Fulton GA	SC13	67	1,176
Fulton GA	UC02A	65	1,070
Fulton GA	UC02A	67	13,013
Gwinnett GA	BAYCREEK A	106	934
Gwinnett GA	BAYCREEK A	110	2,651
Gwinnett GA	BAYCREEK D	102	3,729
Gwinnett GA	BAYCREEK D	110	2,597
Gwinnett GA	BERKSHIRE H	98	2,475
Gwinnett GA	BERKSHIRE H	108	1,991
Gwinnett GA	CATES J	94	955
Gwinnett GA	CATES J	108	4,255
Gwinnett GA	DULUTH F	96	7,245
Gwinnett GA	DULUTH F	107	5,149
Gwinnett GA	DULUTH G	96	1,426
Gwinnett GA	DULUTH G	99	3,389
Gwinnett GA	DUNCANS D	30	8,620
Gwinnett GA	DUNCANS D	104	1,575
Gwinnett GA	LAWRENCEVILLE F	102	2,073
Gwinnett GA	LAWRENCEVILLE F	105	3,924
Gwinnett GA	LAWRENCEVILLE M	102	4,231
Gwinnett GA	LAWRENCEVILLE M	105	7,770
Gwinnett GA	MARTINS H	107	8,164
Gwinnett GA	MARTINS H	109	892
Gwinnett GA	PINCKNEYVILLE W	96	5,745
Gwinnett GA	PINCKNEYVILLE W	97	2,561
Gwinnett GA	PUCKETTS E	103	1,506

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Gwinnett GA	PUCKETTS E	105	7,421
Gwinnett GA	SUGAR HILL D	100	2,158
Gwinnett GA	SUGAR HILL D	103	6,421
Gwinnett GA	SUWANEE F	99	3,224
Gwinnett GA	SUWANEE F	103	2,836
Habersham GA	HABERSHAM SOUTH	10	8,687
Habersham GA	HABERSHAM SOUTH	32	1,972
Hall GA	WILSON	28	3,803
Hall GA	WILSON	29	4,979
Henry GA	FLIPPEN	115	0
Henry GA	FLIPPEN	116	5,686
Henry GA	HICKORY FLAT	115	7,135
Henry GA	HICKORY FLAT	116	17
Henry GA	LOWES	116	5,233
Henry GA	LOWES	117	8,688
Henry GA	RED OAK	78	3,847
Henry GA	RED OAK	116	3,999
Henry GA	STOCKBRIDGE CENTRAL	78	0
Henry GA	STOCKBRIDGE CENTRAL	91	7,453
Henry GA	SWAN LAKE	91	3,240
Henry GA	SWAN LAKE	115	1,518
Houston GA	CENT	145	69
Houston GA	CENT	147	11,815
Houston GA	FMMS	146	9,734
Houston GA	FMMS	147	3,595
Houston GA	HHPC	145	8,748
Houston GA	HHPC	147	6,643
Houston GA	MCMS	146	3,947
Houston GA	MCMS	147	9,547
Houston GA	RECR	145	15,867
Houston GA	RECR	146	0
Houston GA	RECR	147	1,931
Houston GA	ROZR	146	13,202
Houston GA	ROZR	148	7,640
Houston GA	VHS	146	5,586
Houston GA	VHS	148	4,039
Jackson GA	North Jackson	31	4,513
Jackson GA	North Jackson	32	10,931
Jackson GA	North Jackson	120	3,803
Jackson GA	West Jackson	31	16,656
Jackson GA	West Jackson	119	4,211
Jones GA	CLINTON	133	384
Jones GA	CLINTON	144	2,481
Lamar GA	MILNER	134	3,043
Lamar GA	MILNER	135	2,725
Liberty GA	BUTTON GWINNETT	167	5,109
Liberty GA	BUTTON GWINNETT	168	4,344

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Lowndes GA	NORTHSIDE	175	8,373
Lowndes GA	NORTHSIDE	177	37,217
Lowndes GA	RAINWATER	175	6,400
Lowndes GA	RAINWATER	177	8,754
Lowndes GA	S LOWNDES	174	1,951
Lowndes GA	S LOWNDES	175	3,755
Lowndes GA	TRINITY	175	9,620
Lowndes GA	TRINITY	176	4,797
Lowndes GA	TRINITY	177	6,930
Lumpkin GA	DAHLONEGA	9	29,201
Lumpkin GA	DAHLONEGA	27	4,287
Muscogee GA	CUSSETA RD	140	5,391
Muscogee GA	CUSSETA RD	141	5,010
Muscogee GA	EPWORTH UMC	139	3,363
Muscogee GA	EPWORTH UMC	140	4,560
Muscogee GA	FORT/WADDELL	137	5,599
Muscogee GA	FORT/WADDELL	141	6,645
Muscogee GA	OUR LADY OF LOURDES	140	13,744
Muscogee GA	OUR LADY OF LOURDES	141	32
Muscogee GA	ROTHSCHILD	137	8,327
Muscogee GA	ROTHSCHILD	141	3,143
Muscogee GA	ST ANDREWS/MIDLAND	139	5,899
Muscogee GA	ST ANDREWS/MIDLAND	141	5,582
Newton GA	CEDAR SHOALS	93	1,206
Newton GA	CEDAR SHOALS	113	3,687
Newton GA	FAIRVIEW	93	856
Newton GA	FAIRVIEW	113	3,443
Newton GA	TOWN	93	1,668
Newton GA	TOWN	113	5,075
Paulding GA	AUSTIN MIDDLE SCHOOL	18	916
Paulding GA	AUSTIN MIDDLE SCHOOL	64	9,977
Paulding GA	BURNT HICKORY PARK	16	8,392
Paulding GA	BURNT HICKORY PARK	17	16
Paulding GA	CARL SCOGGINS MID SC	17	517
Paulding GA	CARL SCOGGINS MID SC	18	7,991
Paulding GA	CARL SCOGGINS MID SC	19	1,240
Paulding GA	HIRAM HIGH SCHOOL	17	0
Paulding GA	HIRAM HIGH SCHOOL	19	16,110
Paulding GA	SARA RAGSDALE ELM SC	17	5,972
Paulding GA	SARA RAGSDALE ELM SC	18	1,720
Paulding GA	SHELTON ELEMENTARY SCHOOL	16	8,152
Paulding GA	SHELTON ELEMENTARY SCHOOL	17	12,810
Paulding GA	SHELTON ELEMENTARY SCHOOL	19	5,455
Paulding GA	WATSON GOVERNMENT COMPLEX	16	5

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Paulding GA	WATSON GOVERNMENT COMPLEX	17	17,525
Richmond GA	109	129	954
Richmond GA	109	130	886
Richmond GA	301	127	2,362
Richmond GA	301	129	894
Richmond GA	402	126	0
Richmond GA	402	132	9,711
Richmond GA	503	129	3,260
Richmond GA	503	132	2,535
Richmond GA	702	127	586
Richmond GA	702	129	2,007
Richmond GA	703	127	1,164
Richmond GA	703	129	6,148
Richmond GA	803	126	0
Richmond GA	803	132	2,432
Richmond GA	807	126	2,403
Richmond GA	807	132	0
Rockdale GA	MILSTEAD	93	6,444
Rockdale GA	MILSTEAD	95	0
Rockdale GA	OLD TOWNE	93	10,095
Rockdale GA	OLD TOWNE	95	872
Rockdale GA	ROCKDALE	92	6,218
Rockdale GA	ROCKDALE	93	79
Spalding GA	CARVER FIRE STATION	74	235
Spalding GA	CARVER FIRE STATION	134	2,835
Spalding GA	GARY REID FIRE STATION	74	2,075
Spalding GA	GARY REID FIRE STATION	134	4,817
Spalding GA	UGA CAMPUS	74	787
Spalding GA	UGA CAMPUS	134	5,290
Sumter GA	GSW CONF CENTER	150	4,568
Sumter GA	GSW CONF CENTER	151	1,549
Sumter GA	REES PARK	150	5,179
Sumter GA	REES PARK	151	447
Troup GA	MOUNTVILLE	136	2,068
Troup GA	MOUNTVILLE	137	497
Walton GA	BROKEN ARROW	111	2,993
Walton GA	BROKEN ARROW	112	3,003
Ware GA	100	174	2,672
Ware GA	100	176	3,692
Ware GA	200A	174	0
Ware GA	200A	176	4,133
Ware GA	304	174	0
Ware GA	304	176	2,107
Ware GA	400	174	2,506
Ware GA	400	176	2,526
Wayne GA	OGLETHORPE	167	1,928

Political Subdivision Splits Between Districts

GA House Enacted

County	Voting District	District	Population
Wayne GA	OGLETHORPE	178	637
Whitfield GA	2A	2	3,864
Whitfield GA	2A	4	1,000
Whitfield GA	PLEASANT GROVE	2	6,210
Whitfield GA	PLEASANT GROVE	6	2,122

Below is the political subdivisions splits report for the House illustrative plan.

Related note: The first page of the following report generated by *Maptitude for Redistricting* software reports a total number of Voting District (VTD) "subdivisions split in to more than one district," namely 185. However, the "Split Counts" "Voting District" section of the report indicates that "[c]ases where an area is split among 2 Districts" total 175, and "[c]ases where an area is split among 3 Districts" total 11—and the total of 175 and 11 equals 186, not 185. Based on my correspondence with Caliper Corporation described above, I have reported 186 as the correct total in the summary table in section IV.C. of the report, not 185.

User:
Plan Name: **GA House Illustrative**
Plan Type:

Political Subdivision Splits Between Districts

Saturday, December 3, 2022 10:06 PM

Number of subdivisions not split:	
County	89
Voting District	2,513
Number of subdivisions split into more than one district:	
County	70
Voting District	185
Number of splits involving no population:	
County	0
Voting District	13

Split Counts

County

Cases where an area is split among 2 Districts: 35
Cases where an area is split among 3 Districts: 9
Cases where an area is split among 4 Districts: 12
Cases where an area is split among 5 Districts: 4
Cases where an area is split among 6 Districts: 2
Cases where an area is split among 7 Districts: 3
Cases where an area is split among 9 Districts: 1
Cases where an area is split among 14 Districts: 1
Cases where an area is split among 17 Districts: 1
Cases where an area is split among 21 Districts: 1
Cases where an area is split among 23 Districts: 1

Voting District

Cases where an area is split among 2 Districts: 175
Cases where an area is split among 3 Districts: 11

County	Voting District	District	Population
Split Counties:			
Appling GA		157	12,825
Appling GA		178	5,619
Baldwin GA		128	5,158
Baldwin GA		133	12,336
Baldwin GA		149	26,305
Barrow GA		104	24,245
Barrow GA		119	54,736
Barrow GA		120	4,524
Bartow GA		14	49,688
Bartow GA		15	59,213
Ben Hill GA		148	5,115
Ben Hill GA		156	12,079
Bibb GA		142	59,320
Bibb GA		143	59,122

Political Subdivision Splits Between Districts

GA House Illustrative

County	Voting District	District	Population
Bibb GA		145	22,716
Bibb GA		149	16,188
Bryan GA		160	11,008
Bryan GA		164	21,420
Bryan GA		166	12,310
Bulloch GA		158	19,285
Bulloch GA		159	12,887
Bulloch GA		160	48,927
Carroll GA		18	18,789
Carroll GA		70	2,854
Carroll GA		71	59,538
Carroll GA		72	37,967
Catoosa GA		2	7,673
Catoosa GA		3	60,199
Chatham GA		161	28,269
Chatham GA		162	60,308
Chatham GA		163	60,123
Chatham GA		164	38,681
Chatham GA		165	59,978
Chatham GA		166	47,932
Cherokee GA		11	6,557
Cherokee GA		14	9,447
Cherokee GA		20	60,107
Cherokee GA		21	59,529
Cherokee GA		22	30,874
Cherokee GA		23	59,048
Cherokee GA		44	21,989
Cherokee GA		46	15,178
Cherokee GA		47	3,891
Clarke GA		120	30,095
Clarke GA		121	26,478
Clarke GA		122	59,632
Clarke GA		124	12,466
Clayton GA		74	34,350
Clayton GA		75	55,912
Clayton GA		76	59,759
Clayton GA		77	59,242
Clayton GA		78	24,678
Clayton GA		79	59,500
Clayton GA		116	4,154
Cobb GA		22	28,586
Cobb GA		34	59,875
Cobb GA		35	59,889
Cobb GA		36	59,994
Cobb GA		37	59,176
Cobb GA		38	59,317
Cobb GA		39	59,381

Political Subdivision Splits Between Districts

GA House Illustrative

County	Voting District	District	Population
Cobb GA		40	59,044
Cobb GA		41	60,122
Cobb GA		42	59,620
Cobb GA		43	59,464
Cobb GA		44	38,013
Cobb GA		45	59,738
Cobb GA		46	43,930
Coffee GA		169	33,736
Coffee GA		176	9,356
Columbia GA		123	2,205
Columbia GA		125	55,389
Columbia GA		127	39,526
Columbia GA		131	58,890
Cook GA		170	7,342
Cook GA		172	9,887
Coweta GA		65	13,008
Coweta GA		67	17,272
Coweta GA		70	56,267
Coweta GA		73	31,608
Coweta GA		136	28,003
Dawson GA		7	2,409
Dawson GA		9	24,389
DeKalb GA		52	28,300
DeKalb GA		80	59,461
DeKalb GA		81	59,007
DeKalb GA		82	59,724
DeKalb GA		83	59,416
DeKalb GA		84	59,862
DeKalb GA		85	59,373
DeKalb GA		86	59,205
DeKalb GA		87	59,709
DeKalb GA		88	47,844
DeKalb GA		89	59,866
DeKalb GA		90	59,812
DeKalb GA		91	19,700
DeKalb GA		92	15,607
DeKalb GA		93	11,690
DeKalb GA		94	31,207
DeKalb GA		95	14,599
Dodge GA		148	18,550
Dodge GA		155	1,375
Dougherty GA		151	6,268
Dougherty GA		152	6,187
Dougherty GA		153	59,299
Dougherty GA		154	14,036
Douglas GA		61	48,764
Douglas GA		64	30,206

Political Subdivision Splits Between Districts

GA House Illustrative

County	Voting District	District	Population
Douglas GA		65	6,306
Douglas GA		66	58,961
Effingham GA		159	32,941
Effingham GA		161	31,828
Fayette GA		68	29,719
Fayette GA		69	36,979
Fayette GA		73	28,428
Fayette GA		74	24,068
Floyd GA		5	5,099
Floyd GA		12	34,335
Floyd GA		13	59,150
Forsyth GA		11	19,019
Forsyth GA		24	59,011
Forsyth GA		25	46,134
Forsyth GA		26	59,248
Forsyth GA		28	50,864
Forsyth GA		100	17,007
Fulton GA		25	13,280
Fulton GA		47	55,235
Fulton GA		48	43,976
Fulton GA		49	59,153
Fulton GA		50	59,523
Fulton GA		51	58,952
Fulton GA		52	31,511
Fulton GA		53	59,953
Fulton GA		54	60,083
Fulton GA		55	59,971
Fulton GA		56	58,929
Fulton GA		57	59,969
Fulton GA		58	59,057
Fulton GA		59	59,434
Fulton GA		60	59,709
Fulton GA		61	10,186
Fulton GA		62	59,450
Fulton GA		63	59,381
Fulton GA		64	6,032
Fulton GA		65	39,926
Fulton GA		67	41,863
Fulton GA		68	29,758
Fulton GA		69	21,379
Glynn GA		167	20,499
Glynn GA		179	59,356
Glynn GA		180	4,644
Gordon GA		5	53,738
Gordon GA		6	3,806
Grady GA		171	8,115
Grady GA		173	18,121

Political Subdivision Splits Between Districts

County	Voting District	District	Population
Gwinnett GA		30	8,620
Gwinnett GA		48	15,027
Gwinnett GA		88	11,845
Gwinnett GA		94	28,004
Gwinnett GA		95	34,221
Gwinnett GA		96	59,515
Gwinnett GA		97	59,072
Gwinnett GA		98	59,998
Gwinnett GA		99	59,850
Gwinnett GA		100	35,204
Gwinnett GA		101	59,938
Gwinnett GA		102	58,959
Gwinnett GA		103	51,691
Gwinnett GA		104	35,117
Gwinnett GA		105	59,344
Gwinnett GA		106	59,112
Gwinnett GA		107	59,702
Gwinnett GA		108	59,577
Gwinnett GA		109	59,630
Gwinnett GA		110	59,951
Gwinnett GA		111	22,685
Habersham GA		10	42,636
Habersham GA		32	3,395
Hall GA		27	54,508
Hall GA		28	8,108
Hall GA		29	59,200
Hall GA		30	50,646
Hall GA		31	14,349
Hall GA		100	7,819
Hall GA		103	8,506
Harris GA		138	21,634
Harris GA		139	13,034
Henry GA		75	3,847
Henry GA		78	18,397
Henry GA		91	35,475
Henry GA		115	59,789
Henry GA		116	50,833
Henry GA		117	60,142
Henry GA		118	12,229
Houston GA		144	32,310
Houston GA		145	36,952
Houston GA		146	35,804
Houston GA		147	58,567
Jackson GA		31	45,552
Jackson GA		32	10,931
Jackson GA		119	4,211
Jackson GA		120	15,213

Political Subdivision Splits Between Districts

County	Voting District	District	Population
Jasper GA		114	2,855
Jasper GA		118	11,733
Lamar GA		134	13,948
Lamar GA		135	4,552
Liberty GA		167	5,109
Liberty GA		168	60,147
Lowndes GA		174	9,770
Lowndes GA		175	43,692
Lowndes GA		176	4,797
Lowndes GA		177	59,992
Lumpkin GA		9	29,201
Lumpkin GA		27	4,287
Madison GA		33	9,935
Madison GA		123	20,185
McDuffie GA		125	4,748
McDuffie GA		128	16,884
Meriwether GA		136	13,382
Meriwether GA		137	7,231
Monroe GA		133	19,085
Monroe GA		135	8,872
Muscogee GA		137	30,443
Muscogee GA		138	12,190
Muscogee GA		139	45,976
Muscogee GA		140	59,294
Muscogee GA		141	59,019
Newton GA		93	15,515
Newton GA		113	60,053
Newton GA		114	36,915
Oconee GA		120	9,150
Oconee GA		121	32,649
Paulding GA		16	16,549
Paulding GA		17	59,120
Paulding GA		18	10,627
Paulding GA		19	58,955
Paulding GA		64	23,410
Peach GA		144	14,093
Peach GA		150	13,888
Putnam GA		118	10,591
Putnam GA		124	11,456
Richmond GA		126	25,990
Richmond GA		127	19,152
Richmond GA		129	58,829
Richmond GA		130	59,203
Richmond GA		132	43,433
Rockdale GA		91	4,781
Rockdale GA		92	44,666
Rockdale GA		93	32,913

Political Subdivision Splits Between Districts

GA House Illustrative

County	Voting District	District	Population
Rockdale GA		95	11,210
Spalding GA		78	16,815
Spalding GA		116	5,393
Spalding GA		134	45,098
Sumter GA		150	14,282
Sumter GA		151	15,334
Tattnall GA		156	1,263
Tattnall GA		157	21,579
Telfair GA		148	8,283
Telfair GA		156	4,194
Thomas GA		172	4,176
Thomas GA		173	41,622
Tift GA		169	6,730
Tift GA		170	34,614
Troup GA		72	10,281
Troup GA		136	17,913
Troup GA		137	16,144
Troup GA		138	25,088
Walker GA		1	43,415
Walker GA		2	24,239
Walton GA		111	37,324
Walton GA		112	59,349
Ware GA		174	9,097
Ware GA		176	27,154
Wayne GA		167	6,742
Wayne GA		178	23,402
White GA		8	22,119
White GA		9	5,884
Whitfield GA		2	27,861
Whitfield GA		4	59,070
Whitfield GA		6	15,933
Wilcox GA		146	955
Wilcox GA		148	7,811
Split VTDs:			
Baldwin GA	NORTH BALDWIN	133	4,245
Baldwin GA	NORTH BALDWIN	149	647
Baldwin GA	NORTH MILLEDGEVILLE	133	864
Baldwin GA	NORTH MILLEDGEVILLE	149	2,500
Baldwin GA	SOUTH MILLEDGEVILLE	133	932
Baldwin GA	SOUTH MILLEDGEVILLE	149	2,774
Barrow GA	16	104	1,708
Barrow GA	16	119	8,060
Bartow GA	CASSVILLE	14	15,558
Bartow GA	CASSVILLE	15	1,047
Bartow GA	WHITE	14	3,335
Bartow GA	WHITE	15	211
Ben Hill GA	WEST	148	5,115

Political Subdivision Splits Between Districts

County	Voting District	District	Population
Ben Hill GA	WEST	156	5,229
Bibb GA	GODFREY 1	142	4,656
Bibb GA	GODFREY 1	149	6,278
Bibb GA	HOWARD 1	142	5,180
Bibb GA	HOWARD 1	143	763
Bibb GA	HOWARD 3	142	1,789
Bibb GA	HOWARD 3	143	10,865
Bibb GA	RUTLAND 1	142	1,475
Bibb GA	RUTLAND 1	145	6,465
Bibb GA	VINEVILLE 3	142	232
Bibb GA	VINEVILLE 3	143	4,182
Bryan GA	DANIELSIDING	164	1,268
Bryan GA	DANIELSIDING	166	1,741
Bryan GA	HWY 144 EAST	164	4,552
Bryan GA	HWY 144 EAST	166	4,707
Bryan GA	J.F.GREGORY PARK	164	3,489
Bryan GA	J.F.GREGORY PARK	166	144
Bulloch GA	CHURCH	158	3,764
Bulloch GA	CHURCH	159	5,869
Carroll GA	BONNER	71	410
Carroll GA	BONNER	72	5,554
Chatham GA	CRUSADER COMMUNITY CENTER	162	2,134
Chatham GA	CRUSADER COMMUNITY CENTER	166	1,493
Chatham GA	GEORGETOWN ELEMENTAR	164	5,562
Chatham GA	GEORGETOWN ELEMENTAR	166	0
Chatham GA	GRACE UNITED METHODIST CHURCH	163	2,064
Chatham GA	GRACE UNITED METHODIST CHURCH	165	397
Chatham GA	ROTHWELL BAPTIST CHURCH	161	5,335
Chatham GA	ROTHWELL BAPTIST CHURCH	164	4,987
Chatham GA	THE LIGHT CHURCH	162	1,177
Chatham GA	THE LIGHT CHURCH	163	1,109
Chatham GA	WINDSOR FOREST BAPTIST CHURCH SCHOOL	163	785
Chatham GA	WINDSOR FOREST BAPTIST CHURCH SCHOOL	166	1,890
Cherokee GA	CARMEL	20	5,626
Cherokee GA	CARMEL	22	1,222
Cherokee GA	CARMEL	44	0

Political Subdivision Splits Between Districts

GA House Illustrative

County	Voting District	District	Population
Cherokee GA	FREEHOME	21	3,200
Cherokee GA	FREEHOME	47	3,891
Cherokee GA	HOLLY SPRINGS	21	2,250
Cherokee GA	HOLLY SPRINGS	23	2,578
Clarke GA	1A	122	2,758
Clarke GA	1A	124	2,286
Clarke GA	4B	121	7,082
Clarke GA	4B	122	5,589
Clarke GA	7C	120	1,922
Clarke GA	7C	121	3,184
Clayton GA	JONESBORO 13	74	2,066
Clayton GA	JONESBORO 13	75	752
Clayton GA	JONESBORO 14	75	2,726
Clayton GA	JONESBORO 14	78	2,387
Clayton GA	JONESBORO 3	74	0
Clayton GA	JONESBORO 3	75	5,962
Clayton GA	LOVEJOY 1	74	4,484
Clayton GA	LOVEJOY 1	75	948
Clayton GA	LOVEJOY 1	78	187
Clayton GA	LOVEJOY 3	78	9,099
Clayton GA	LOVEJOY 3	116	4,154
Clayton GA	MORROW 4	75	1,316
Clayton GA	MORROW 4	76	1,911
Cobb GA	Acworth 1B	35	7,322
Cobb GA	Acworth 1B	36	142
Cobb GA	Baker 01	22	5,226
Cobb GA	Baker 01	35	1,996
Cobb GA	Bells Ferry 03	22	4,918
Cobb GA	Bells Ferry 03	44	3,763
Cobb GA	Dobbins 01	42	11,055
Cobb GA	Dobbins 01	43	2,346
Cobb GA	Elizabeth 01	34	700
Cobb GA	Elizabeth 01	37	5,170
Cobb GA	Elizabeth 04	37	2,031
Cobb GA	Elizabeth 04	43	2,387
Cobb GA	Kennesaw 1A	22	599
Cobb GA	Kennesaw 1A	35	3,844
Cobb GA	Kennesaw 3A	22	0
Cobb GA	Kennesaw 3A	34	871
Cobb GA	Kennesaw 3A	35	8,631
Cobb GA	Lassiter 01	44	2,121
Cobb GA	Lassiter 01	46	2,600
Cobb GA	Lindley 01	39	5,678
Cobb GA	Lindley 01	40	582
Cobb GA	Mableton 01	38	1,589
Cobb GA	Mableton 01	39	5,513
Cobb GA	Mableton 02	38	256

Political Subdivision Splits Between Districts

County	Voting District	District	Population
Cobb GA	Mableton 02	39	5,427
Cobb GA	Marietta 1A	37	3,349
Cobb GA	Marietta 1A	43	6,645
Cobb GA	Marietta 2A	34	1,664
Cobb GA	Marietta 2A	37	811
Cobb GA	Marietta 5A	37	2,877
Cobb GA	Marietta 5A	43	1,457
Cobb GA	Marietta 6A	37	1,532
Cobb GA	Marietta 6A	43	3,022
Cobb GA	Marietta 7A	42	1,494
Cobb GA	Marietta 7A	43	5,417
Cobb GA	North Cobb 01	35	2,611
Cobb GA	North Cobb 01	36	559
Cobb GA	Norton Park 01	41	1,955
Cobb GA	Norton Park 01	42	5,846
Cobb GA	Oregon 03	37	6,683
Cobb GA	Oregon 03	41	6,305
Cobb GA	Pine Mountain 02	34	3,976
Cobb GA	Pine Mountain 02	35	0
Cobb GA	Smyrna 1A	40	1,292
Cobb GA	Smyrna 1A	42	5,341
Cobb GA	Smyrna 4A	40	6,599
Cobb GA	Smyrna 4A	42	1,609
Cobb GA	Smyrna 7A	39	905
Cobb GA	Smyrna 7A	40	7,690
Coffee GA	DOUGLAS	169	19,642
Coffee GA	DOUGLAS	176	8,929
Columbia GA	PATRIOTS PARK	125	326
Columbia GA	PATRIOTS PARK	131	5,958
Coweta GA	JEFFERSON PARKWAY	70	12,590
Coweta GA	JEFFERSON PARKWAY	73	1,521
DeKalb GA	Cedar Grove Middle	89	2,204
DeKalb GA	Cedar Grove Middle	90	316
DeKalb GA	Clarkston	85	5,454
DeKalb GA	Clarkston	86	9,300
DeKalb GA	Dresden Elem (CHA)	81	5,398
DeKalb GA	Dresden Elem (CHA)	83	7,691
DeKalb GA	Freedom Middle	86	1,002
DeKalb GA	Freedom Middle	87	3,088
DeKalb GA	Glennwood (DEC)	82	2,059
DeKalb GA	Glennwood (DEC)	84	1,221
DeKalb GA	Glenwood Road	85	1,698
DeKalb GA	Glenwood Road	86	1,064
DeKalb GA	Memorial South	86	2,226
DeKalb GA	Memorial South	87	2,547
DeKalb GA	Panola Road	86	3,296
DeKalb GA	Panola Road	94	460

Political Subdivision Splits Between Districts

County	Voting District	District	Population
DeKalb GA	Redan Middle	87	1,419
DeKalb GA	Redan Middle	88	1,633
DeKalb GA	Rockbridge Road	94	3,736
DeKalb GA	Rockbridge Road	95	1,104
DeKalb GA	Snapfinger Road South	84	920
DeKalb GA	Snapfinger Road South	91	1,271
DeKalb GA	Stone Mill Elem	87	1,863
DeKalb GA	Stone Mill Elem	88	4,069
DeKalb GA	Stone Mountain Champion (STO)	87	1,338
DeKalb GA	Stone Mountain Champion (STO)	88	2,865
DeKalb GA	Stone Mountain Middle (TUC)	87	656
DeKalb GA	Stone Mountain Middle (TUC)	88	3,960
DeKalb GA	Tucker Library (TUC)	81	2,394
DeKalb GA	Tucker Library (TUC)	88	1,635
Dougherty GA	DARTON COLLEGE	151	4,018
Dougherty GA	DARTON COLLEGE	153	2,465
Dougherty GA	MT ZION CENTER	153	1,245
Dougherty GA	MT ZION CENTER	154	3,972
Douglas GA	MIRROR LAKE ELEMENTA	61	5,093
Douglas GA	MIRROR LAKE ELEMENTA	66	3,661
Effingham GA	4B	159	1,960
Effingham GA	4B	161	959
Fayette GA	ABERDEEN	68	983
Fayette GA	ABERDEEN	73	1,392
Fayette GA	BANKS	69	1,812
Fayette GA	BANKS	74	247
Fayette GA	BRAELINN	73	605
Fayette GA	BRAELINN	74	1,646
Fayette GA	MURPHY	69	146
Fayette GA	MURPHY	74	3,848
Fayette GA	STARRSMILL	73	1,932
Fayette GA	STARRSMILL	74	2,452
Floyd GA	ALTO PARK	12	1,576
Floyd GA	ALTO PARK	13	3,847
Floyd GA	MT ALTO NORTH	12	1,080
Floyd GA	MT ALTO NORTH	13	4,509
Forsyth GA	BROWNS BRIDGE	26	10,116
Forsyth GA	BROWNS BRIDGE	28	2,801
Forsyth GA	CONCORD	11	7,687
Forsyth GA	CONCORD	28	7,982
Forsyth GA	CUMMING	26	4,666
Forsyth GA	CUMMING	28	2,410
Forsyth GA	HEARDSVILLE	11	11,332
Forsyth GA	HEARDSVILLE	24	1,335

Political Subdivision Splits Between Districts

County	Voting District	District	Population
Forsyth GA	HEARDSVILLE	28	333
Forsyth GA	OTWELL	24	3,988
Forsyth GA	OTWELL	26	6,597
Forsyth GA	OTWELL	28	7,875
Forsyth GA	POLO	24	9,868
Forsyth GA	POLO	25	0
Forsyth GA	POLO	26	15,990
Forsyth GA	SOUTH FORSYTH	25	10,064
Forsyth GA	SOUTH FORSYTH	100	11,887
Forsyth GA	WINDERMERE	26	11,718
Forsyth GA	WINDERMERE	100	5,120
Fulton GA	08C	53	1,524
Fulton GA	08C	60	335
Fulton GA	09K	55	3,033
Fulton GA	09K	60	4,105
Fulton GA	10D	55	1,756
Fulton GA	10D	60	4,311
Fulton GA	11C	55	340
Fulton GA	11C	60	3,418
Fulton GA	AP022	48	862
Fulton GA	AP022	49	2,505
Fulton GA	AP07B	47	1,250
Fulton GA	AP07B	49	1,304
Fulton GA	AP14	48	4,109
Fulton GA	AP14	49	281
Fulton GA	EP01B	59	2,393
Fulton GA	EP01B	62	2,049
Fulton GA	JC19	48	3,608
Fulton GA	JC19	51	1,792
Fulton GA	ML012	47	501
Fulton GA	ML012	49	123
Fulton GA	ML01B	47	284
Fulton GA	ML01B	49	61
Fulton GA	RW03	51	1,292
Fulton GA	RW03	53	6,066
Fulton GA	RW09	47	2,971
Fulton GA	RW09	49	4,750
Fulton GA	SC02	60	220
Fulton GA	SC02	65	773
Fulton GA	SC07A	65	1,028
Fulton GA	SC07A	67	7,728
Fulton GA	SC08B	62	92
Fulton GA	SC08B	68	5,255
Fulton GA	SC13	61	589
Fulton GA	SC13	65	2,269
Fulton GA	SC13	67	1,176
Fulton GA	UC02A	65	1,070

Political Subdivision Splits Between Districts

County	Voting District	District	Population
Fulton GA	UC02A	67	13,013
Gwinnett GA	BAYCREEK A	106	934
Gwinnett GA	BAYCREEK A	110	2,651
Gwinnett GA	BAYCREEK D	102	3,729
Gwinnett GA	BAYCREEK D	110	2,597
Gwinnett GA	BERKSHIRE H	98	2,475
Gwinnett GA	BERKSHIRE H	108	1,991
Gwinnett GA	CATES J	94	955
Gwinnett GA	CATES J	108	4,255
Gwinnett GA	DULUTH F	96	7,245
Gwinnett GA	DULUTH F	107	5,149
Gwinnett GA	DULUTH G	96	1,426
Gwinnett GA	DULUTH G	99	3,389
Gwinnett GA	DUNCANS D	30	8,620
Gwinnett GA	DUNCANS D	104	1,575
Gwinnett GA	LAWRENCEVILLE F	102	2,073
Gwinnett GA	LAWRENCEVILLE F	105	3,924
Gwinnett GA	LAWRENCEVILLE M	102	4,231
Gwinnett GA	LAWRENCEVILLE M	105	7,770
Gwinnett GA	MARTINS H	107	8,164
Gwinnett GA	MARTINS H	109	892
Gwinnett GA	PINCKNEYVILLE W	96	5,745
Gwinnett GA	PINCKNEYVILLE W	97	2,561
Gwinnett GA	PUCKETTS E	103	1,506
Gwinnett GA	PUCKETTS E	105	7,421
Gwinnett GA	SUGAR HILL D	100	2,158
Gwinnett GA	SUGAR HILL D	103	6,421
Gwinnett GA	SUWANEE F	99	3,224
Gwinnett GA	SUWANEE F	103	2,836
Habersham GA	HABERSHAM SOUTH	10	8,687
Habersham GA	HABERSHAM SOUTH	32	1,972
Hall GA	WILSON	28	3,803
Hall GA	WILSON	29	4,979
Henry GA	LAKE HAVEN	116	4,546
Henry GA	LAKE HAVEN	117	1,242
Henry GA	LOCUST GROVE	116	4,436
Henry GA	LOCUST GROVE	117	5,352
Henry GA	RED OAK	75	3,847
Henry GA	RED OAK	116	3,999
Henry GA	SWAN LAKE	91	1,951
Henry GA	SWAN LAKE	115	2,807
Houston GA	CENT	145	315
Houston GA	CENT	147	11,569
Houston GA	MCMS	144	11,859
Houston GA	MCMS	147	1,635
Houston GA	ROZR	144	13,202
Houston GA	ROZR	146	7,640

Political Subdivision Splits Between Districts

County	Voting District	District	Population
Jackson GA	North Jackson	31	4,513
Jackson GA	North Jackson	32	10,931
Jackson GA	North Jackson	120	3,803
Jackson GA	West Jackson	31	16,656
Jackson GA	West Jackson	119	4,211
Liberty GA	BUTTON GWINNETT	167	5,109
Liberty GA	BUTTON GWINNETT	168	4,344
Lowndes GA	NORTHSIDE	175	8,373
Lowndes GA	NORTHSIDE	177	37,217
Lowndes GA	RAINWATER	175	6,400
Lowndes GA	RAINWATER	177	8,754
Lowndes GA	S LOWNDES	174	1,951
Lowndes GA	S LOWNDES	175	3,755
Lowndes GA	TRINITY	175	9,620
Lowndes GA	TRINITY	176	4,797
Lowndes GA	TRINITY	177	6,930
Lumpkin GA	DAHLONEGA	9	29,201
Lumpkin GA	DAHLONEGA	27	4,287
Muscogee GA	CUSSETA RD	140	5,391
Muscogee GA	CUSSETA RD	141	5,010
Muscogee GA	EPWORTH UMC	139	3,363
Muscogee GA	EPWORTH UMC	140	4,560
Muscogee GA	FORT/WADDELL	137	5,599
Muscogee GA	FORT/WADDELL	141	6,645
Muscogee GA	OUR LADY OF LOURDES	140	13,744
Muscogee GA	OUR LADY OF LOURDES	141	32
Muscogee GA	ROTHSCHILD	137	8,327
Muscogee GA	ROTHSCHILD	141	3,143
Muscogee GA	ST ANDREWS/MIDLAND	139	5,899
Muscogee GA	ST ANDREWS/MIDLAND	141	5,582
Newton GA	CEDAR SHOALS	93	1,206
Newton GA	CEDAR SHOALS	113	3,687
Newton GA	FAIRVIEW	93	856
Newton GA	FAIRVIEW	113	3,443
Newton GA	TOWN	93	1,668
Newton GA	TOWN	113	5,075
Paulding GA	AUSTIN MIDDLE SCHOOL	18	916
Paulding GA	AUSTIN MIDDLE SCHOOL	64	9,977
Paulding GA	BURNT HICKORY PARK	16	8,392
Paulding GA	BURNT HICKORY PARK	17	16
Paulding GA	CARL SCOGGINS MID SC	17	517
Paulding GA	CARL SCOGGINS MID SC	18	7,991
Paulding GA	CARL SCOGGINS MID SC	19	1,240
Paulding GA	HIRAM HIGH SCHOOL	17	0
Paulding GA	HIRAM HIGH SCHOOL	19	16,110
Paulding GA	SARA RAGSDALE ELM SC	17	5,972
Paulding GA	SARA RAGSDALE ELM SC	18	1,720

Political Subdivision Splits Between Districts

County	Voting District	District	Population
Paulding GA	SHELTON ELEMENTARY SCHOOL	16	8,152
Paulding GA	SHELTON ELEMENTARY SCHOOL	17	12,810
Paulding GA	SHELTON ELEMENTARY SCHOOL	19	5,455
Paulding GA	WATSON GOVERNMENT COMPLEX	16	5
Paulding GA	WATSON GOVERNMENT COMPLEX	17	17,525
Richmond GA	109	129	954
Richmond GA	109	130	886
Richmond GA	301	127	2,362
Richmond GA	301	129	894
Richmond GA	402	126	0
Richmond GA	402	132	9,711
Richmond GA	503	129	3,260
Richmond GA	503	132	2,535
Richmond GA	702	127	586
Richmond GA	702	129	2,007
Richmond GA	703	127	1,164
Richmond GA	703	129	6,148
Richmond GA	803	126	0
Richmond GA	803	132	2,432
Richmond GA	807	126	2,403
Richmond GA	807	132	0
Rockdale GA	MILSTEAD	93	6,444
Rockdale GA	MILSTEAD	95	0
Rockdale GA	OLD TOWNE	93	10,095
Rockdale GA	OLD TOWNE	95	872
Rockdale GA	ROCKDALE	92	6,218
Rockdale GA	ROCKDALE	93	79
Spalding GA	CARVER FIRE STATION	78	235
Spalding GA	CARVER FIRE STATION	134	2,835
Spalding GA	GARY REID FIRE STATION	78	2,075
Spalding GA	GARY REID FIRE STATION	134	4,817
Spalding GA	UGA CAMPUS	78	787
Spalding GA	UGA CAMPUS	134	5,290
Sumter GA	GSW CONF CENTER	150	4,568
Sumter GA	GSW CONF CENTER	151	1,549
Sumter GA	REES PARK	150	5,179
Sumter GA	REES PARK	151	447
Troup GA	MOUNTVILLE	136	2,068
Troup GA	MOUNTVILLE	137	497
Walton GA	BROKEN ARROW	111	2,993
Walton GA	BROKEN ARROW	112	3,003
Ware GA	100	174	2,672
Ware GA	100	176	3,692

Political Subdivision Splits Between Districts

GA House Illustrative

County	Voting District	District	Population
Ware GA	200A	174	0
Ware GA	200A	176	4,133
Ware GA	304	174	0
Ware GA	304	176	2,107
Ware GA	400	174	2,506
Ware GA	400	176	2,526
Wayne GA	OGLETHORPE	167	1,928
Wayne GA	OGLETHORPE	178	637
Whitfield GA	2A	2	3,864
Whitfield GA	2A	4	1,000
Whitfield GA	PLEASANT GROVE	2	6,210
Whitfield GA	PLEASANT GROVE	6	2,122

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

COAKLEY PENDERGRASS et al., Plaintiffs, v. BRAD RAFFENSPERGER, in his official capacity as the Georgia Secretary of State, et al., Defendants.	CIVIL ACTION FILE NO. 1:21-CV-05339-SCJ

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 50 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*

Exhibit
0005

African-American Affairs Council, Inc. v. McWherter, No. 92-cv-2407 (W.D. Tenn.); *Old Person v. Brown*, No. 96-cv-0004 (D. Mont.); *Bone Shirt v. Hazeltine*, No. 01-cv-3032 (D.S.D.); *Alabama Legislative Black Caucus v. Alabama*, No. 12-cv-691 (M.D. Ala.); and *Thomas v. Reeves*, No. 18-cv-441 (S.D. Miss.). 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, *Georgia State Conference of NAACP v. Fayette County Board of Commissioners*, No. 11-cv-123 (N.D. Ga.), and *Georgia State Conference of NAACP v. Emanuel County Board of Commissioners*, No. 16-cv-21 (S.D. Ga.). 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 in advance of the 2020 elections: *Georgia State Conference of NAACP v. Gwinnett County Board of Commissioners*, No. 16-cv-2852 (N.D. Ga.); *Thompson v. Kemp*, No. 17-cv-1427 (N.D. Ga.); and *Dwight v. Kemp*, No. 18-cv-2869 (N.D. Ga.).

4. In 2022, I testified as an expert in redistricting and demographics in six cases challenging district boundaries under Section 2 of the Voting Rights Act: *Caster v. Merrill*, No. 21-1356-AMM (N.D. Ala.); *Alpha Phi Alpha Fraternity v. Raffensperger*, No. 21-05337-SCJ (N.D. Ga.); *Pendergrass v. Raffensperger*, No. 21-

05339-SCJ (N.D. Ga.); *NAACP v Baltimore County*, No.21-cv-03232-LKG (D. Md.); *Christian Ministerial Alliance* v. *Hutchinson*, No. 4:19-cv-402-JM (E.D. Ark.); and *Robinson v. Ardoin*, No. 3:22-cv-00211-SDD-SDJ (M.D. La.). I also testified at trial this year as an expert on demographics in *NAACP v. Lee*, No. 4:21cv187-MW/MAF (N.D. Fla.), a case involving recent changes to Florida's election law.

5. Since the release of the 2020 Census data, three county commission-level plans I developed as a private consultant have been adopted by local governments, in San Juan County, Utah; Bolivar County, Mississippi; and Washington County, Mississippi. In addition, a school board plan I developed was adopted by the Jefferson County, Alabama Board of Education (*Stout v. Jefferson County*).

6. My redistricting experience is further documented in **Exhibit A**.

7. I am being compensated at a rate of $150.00 per hour. No part of my compensation is dependent upon the conclusions that I reach or the opinions that I offer.

A. Purpose of Declaration

8. The attorneys for the Plaintiffs in this case asked me to determine whether the African American[1] population in Georgia is "sufficiently large and

[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

geographically compact"[2] to allow for the creation of an additional majority-Black congressional district in the Atlanta metropolitan area.

9. **Exhibit B** describes the sources and methodology I have employed in the preparation of this report and the Illustrative Plan. In short, I used the Maptitude for Redistricting 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. Expert Conclusions

10. The Black population in metropolitan Atlanta is sufficiently numerous and geographically compact to allow for the creation of an additional majority-Black congressional district anchored in Cobb, Douglas, and Fulton Counties (CD 6 in the Illustrative Plan) consistent with traditional redistricting principles.

11. The additional majority-Black congressional district can be merged into the enacted 2021 Plan without making changes to six of the 14 districts: CD 1, CD 2, CD 5, CD 7, CD 8, and CD 12 are unaffected.

Georgia v. Ashcroft, 539 U.S. 461 (2003), the "Any Part" definition is an appropriate Census classification to use in most Section 2 cases.

[2] This is the first *Gingles* precondition. *See Thornburg v. Gingles*, 478 U.S. 30 (1986).

C. Organization of Declaration

12. The remainder of this declaration is organized as follows: **Section II** reviews state-level and Metro Atlanta 1990–2020 demographics, as defined by the 29-county Atlanta-Sandy Springs-Alpharetta MSA.[3] **Section III** provides maps and population statistics for the 2012 Benchmark Plan and the enacted 2021 Plan. **Section IV** presents the Illustrative Plan that I have prepared, based on the 2020 Census, which includes an additional majority-Black district in Metro Atlanta.

II. DEMOGRAPHIC PROFILE

A. Georgia: 2010 to 2020

13. According to the 2020 Census, Georgia has a total population of 10,711,908 persons—up by 1.02 million since 2010.

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[3] In this declaration, Metro Atlanta refers to the 29-county Atlanta-Sandy Springs-Alpharetta Metropolitan Statistical Area ("MSA"). It includes the counties of Barrow, Bartow, Butts, Carroll, Cherokee, Clayton, Cobb, Coweta, Dawson, DeKalb, Douglas, 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 U.S. Census Bureau. As the Census Bureau has explained, "[m]etropolitan statistical areas 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." Source: https://www.census.gov/programs-surveys/metro-micro/about/glossary.html.

14. **Figure 1** reveals that Georgia's population growth since 2010 can be attributed entirely to gains in the overall minority population.

Figure 1
Georgia: Population by Race and Ethnicity (2010 Census to 2020 Census)

	2010 Population	Percent	2020 Population	Percent	2010–2020 Change (Persons)	2010–2020 Change (Percent)
Total Population	9,687,653	100.00%	10,711,908	100.00%	1,024,255	10.57%
NH White*	5,413,920	55.88%	5,362,156	50.06%	-51,764	-0.96%
Total Minority Population	**4,273,733**	**44.12%**	**5,349,752**	**49.94%**	**1,076,019**	**25.18%**
Latino	853,689	8.81%	1,123,457	10.49%	269,768	31.60%
NH Black*	2,910,800	30.05%	3,278,119	30.60%	367,319	12.62%
NH Asian*	311,692	3.22%	475,680	4.44%	163,988	52.61%
NH Hawaiian and Pacific Islander	5,152	0.05%	6,101	0.06%	949	18.42%
NH American Indian and Alaska Native*	21,279	0.22%	20,375	0.19%	-904	-4.25%
NH Other*	19,141	0.20%	55,887	0.52%	36,746	191.98%
NH Two or More Races*	151,980	1.57%	390,133	3.65%	238,153	156.70%
SR Black	2,950,435	30.46%	3,320,513	31.00%	370,078	12.54%
AP Black	**3,054,098**	**31.53%**	**3,538,146**	**33.03%**	**484,048**	**15.85%**

*Single race, non-Hispanic

15. Between 2010 and 2020, the Black population in Georgia increased by 484,048 persons. By contrast, during the same decade, the non-Hispanic White ("NH White") population fell by 51,764 persons.

16. Georgia's Black population, as a share of the overall statewide population, increased between 2010 and 2020, from 31.53% in 2010 to 33.03% in 2020.

17. Non-Hispanic Whites are a razor-thin majority of the state's 2020 population (50.06%). Black Georgians account for one-third (33.03%) of the population and comprise the largest minority population, followed by Latinos (10.49%).

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B. Georgia: Voting Age and Citizen Voting Age

18. As shown in **Figure 2**, 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 persons, of whom 2,607,986 (31.73%) are AP Black. The NH White VAP is 4,342,333 (52.82%).

Figure 2
Georgia: 2020 Voting Age and 2021 Estimated Citizen Voting Age Populations by Race and Ethnicity[4]

	2020 VAP (Persons)	2020 VAP (Percent)	2021 CVAP (Percent)
Total	8,220,274	100.00%	100.0%
NH White	4,342,333	52.82%	55.7%
Total Minority	**3,877,941**	**47.18%**	**44.3%**
Latino	742,918	9.04%	5.9%
SR Black	2,488,419	30.27%	31.4%
AP Black	**2,607,986**	**31.73%**	**33.3%**

19. The rightmost column in Figure 2 reveals that both the Black and NH White populations comprise a higher percentage of the citizen voting age population

[4] To prepare this table, I relied on the PL 94-171 redistricting file issued by the Census Bureau; Table S2901 of the 1-Year 2021 American Community Survey ("ACS"), available at https://data.census.gov/cedsci/table?q=S2901&g=0400000US13&tid=ACSST1Y2021.S2901; and the Public Use Microdata Sample of the 1-Year 2021 ACS, available at https://data.census.gov/mdat/#/search?ds=ACSPUMS1Y2021&vv=AGEP%2800,18%3A99%29&cv=RACBLK%281%29&rv=ucgid,CIT%281,2,3,4,%29&wt=PWGTP&g=0400000US13.

("CVAP") than the corresponding voting age population, owing to higher non-citizenship rates among other minority populations.

20. According to estimates from the 1-Year 2021 American Community Survey ("ACS"), African Americans represent 33.3% of the statewide CVAP—about 1.5 percentage points higher than the 2020 AP Black VAP. The NH White CVAP is 55.7%—nearly three percentage points higher than NH White VAP in the 2020 Census.

21. The Black CVAP in Georgia is poised to go up this decade. According to the 1-Year 2021 ACS, Black citizens of all ages represent 34.45% of all citizens.[5]

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[5] Source: https://data.census.gov/mdat/#/search?ds=ACSPUMS1Y2021&vv=AGEP&cv=RACBLK%281%29&rv=ucgid,CIT%281,2,3,4%29&wt=PWGTP&g=0400000US13.

C. Black Population as a Component of Total Population: 1990 to 2020

1. Georgia

22. As shown in **Figure 3**, 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 3
Georgia: Population by Race and Ethnicity (1990 Census to 2020 Census)

	1990 Population	Percent	2000 Population	Percent	2010 Population	Percent	2020 Population	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 Population	**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

23. Since 1990, the Black population has more than doubled: from about 1.75 million to 3.54 million, an increase that is the equivalent of the populations of more than two congressional districts. The NH White population has also increased, but at a much slower rate: from 4.54 million to 5.36 million, amounting to an increase of only about 18% over the three-decade period.

2. Metro Atlanta

24. **Exhibit C** is a Census Bureau-produced map showing boundaries for the Atlanta MSA, along with other metropolitan and micropolitan areas in Georgia.

25. **Figure 4** demonstrates that 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.

Figure 4
Metro Atlanta: Population by Race and Ethnicity (1990 Census to 2020 Census)

	1990 Population	Percent	2000 Population	Percent	2010 Population	Percent	2020 Population	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 Population	**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

26. According to the 1990 Census, the area that today comprises the 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 1.25 million in 2010 to 2.19 million in 2020.

27. According to the 2020 Census, a majority of Metro Atlanta residents are non-White, while NH Whites comprise 43.71% of the Metro Atlanta population. This is a major shift compared to the previous decade; in 2010, NH Whites represented 50.78% of the Metro Atlanta population.

28. According to the 2020 Census, the 11 core counties comprising the Atlanta Regional Commission ("ARC") service area[6] account for more than half (54.7%) of the statewide Black population. After expanding the region 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.

29. **Exhibit D** breaks down Black population changes from 2010 to 2020 by county for each of the 29 counties in Metro Atlanta.

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

30. **Figure 5** shows that the population gain in Metro Atlanta between 2010 and 2020 amounted to 803,087 persons—greater than the population of one of the state's congressional districts—with more than half of the gain coming from an increase in the Black population, which increased by 409,927 (or 23.07%). Meanwhile, over the same decade, the NH White population in Metro Atlanta fell by 22,736 persons.

Figure 5
Metro Atlanta: Population by Race and Ethnicity (2010 Census to 2020 Census)

	2010 Number	Percent	2020 Number	Percent	2010–2020 Change (Persons)	2010–2020 Change (Percent)
Total Population	5,286,728	100.00%	6,089,815	100%	803,087	15.19%
NH White*	2,684,571	50.78%	2,661,835	43.7%	-22,736	-0.85%
Total Minority Population	**2,602,157**	**49.22%**	**3,427,980**	**56.3%**	**825,823**	**31.74%**
Latino	547,894	10.36%	730,470	12.0%	182,576	33.32%
NH Black*	1,684,178	31.86%	2,019,208	33.16%	335,030	19.89%
NH Asian*	252,616	4.78%	397,009	6.52%	144,393	57.16%
NH Hawaiian and Pacific Islander*	2,075	0.04%	2,386	0.04%	311	14.99%
NH American Indian and Alaska Native*	10,779	0.20%	10,562	0.17%	-217	-2.01%
NH Other*	13,749	0.26%	39,254	0.64%	25,505	185.50%
NH Two or More Races*	126,322	2.39%	229,091	3.76%	102,769	81.35%
SR Black	1,712,121	32.39%	2,048,212	33.63%	336,091	19.63%
AP Black	**1,776,888**	**33.61%**	**2,186,815**	**35.91%**	**409,927**	**23.07%**

*Single race, non-Hispanic

31. As shown in **Figure 6**, according to the 2020 Census, the 29-county MSA has a total VAP of 4,654,322 persons, of whom 1,622,469 (34.86%) are AP Black. The NH White VAP is 2,156,625 (46.34%).

Figure 6
Metro Atlanta: 2020 Voting Age and 2021 Estimated Citizen Voting Age Populations by Race and Ethnicity[7]

	2020 VAP (Persons)	**2020 VAP (Percent)**	**2021 CVAP (Percent)**
Total	4,654,322	100.00%	100.00%
NH White	2,156,625	46.34%	49.8%
Total Minority	**2,426,643**	**53.66%**	**50.2%**
Latino	487,286	10.47%	6.6%
SR Black	1,541,370	33.12%	34.6%
AP Black	**1,622,469**	**34.86%**	**N/A**

32. According to estimates from the 1-Year 2021 ACS, SR African Americans represent 34.6% of the CVAP in Metro Atlanta—about 1.5 percentage points higher than the 2020 SR Black VAP. The NH White CVAP is 49.8%, about 3.5 percentage points higher than the NH White VAP in the 2020 Census.

33. Despite the significant Black population growth in Metro Atlanta, the region includes just three majority-Black districts under the 2021 Plan—CD 4, CD 5, and CD 13—the same number the region has had for the past two decades.

[7] To prepare this table, I relied on the PL 94-171 redistricting file issued by the U.S. Census Bureau and Table S2901 of the 1-Year 2021 ACS, available at https://data.census.gov/table?q=S2901&g=310XX00US12060. The Census Bureau does not publish a citizenship estimate for the AP Black CVAP at the MSA level.

34. As shown in **Figure 7**, over the two decades since the last majority-Black district (CD 13) was drawn, Metro Atlanta's population has grown by 1.8 million, with the Black population up by 938,006.

Figure 7
29-County MSA (Metro Atlanta): 2000 to 2020 Population Change

	2000 Population (Persons)	2000 Population (Percent)	2020 Population (Persons)	2020 Population (Percent)	2000–2020 Change (Persons)	2000–2020 Change (Percent)
Total Population	4,263,438	100.00%	6,089,815	100.00%	1,826,377	42.84%
NH White	2,576,109	60.42%	2,661,835	43.71%	85,726	3.33%
Total Minority Population	**1,687,329**	**39.58%**	**3,427,980**	**56.29%**	**1,740,651**	**103.16%**
Latino	270,655	6.35%	730,470	11.99%	459,815	169.89%
AP Black	**1,248,809**	**29.29%**	**2,186,815**	**35.91%**	**938,006**	**75.11%**

35. Given the dramatic increase in Georgia's Black population in Metro Atlanta during this century, the obvious focal point for determining whether an additional majority-Black district can be created in the state is indeed Metro Atlanta. And, as shown below, a new majority-Black district can readily be created in and around Cobb, Douglas, and Fulton Counties.

III. 2012 BENCHMARK PLAN AND 2021 PLAN

A. 2012 Benchmark Plan

36. **Exhibit E** contains a map packet depicting the 2012 Benchmark Plan, with corresponding 2010 Census statistics, prepared by the Georgia Legislative & Congressional Reapportionment Office ("GLCRO").

37. **Exhibit F** is a table that I prepared reporting 2020 Census population statistics for the 2012 Plan, as well as CVAP estimates from the Census Bureau's 2015–2019 Special Tabulation.[8]

B. 2021 Plan

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

39. Additional 2021 Plan information regarding compactness scores, county splits, municipal splits, and VTD[9] splits is reported for comparison with the Illustrative Plan described in the next section.

40. The 2021 Plan reduces CD 6's BVAP from 14.6% under the 2012 Benchmark Plan to 9.9%. This decrease occurred in an area that has experienced significant growth in the Black population since the 2010 Census. Notably, the area is adjacent to two majority-Black districts (CD 4 and CD 13) with Black citizen voting age populations ("BCVAP") in the 60% range under both the Benchmark 2012 Plan and the 2021 Plan.

41. According to the 2020 Census, the BVAP in the (by then overpopulated) Benchmark 2012 CD 13 was 62.65%. Under the 2021 Plan, the BVAP in CD 13

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

[9] "VTD" is a U.S. Census Bureau term; VTDs generally correspond to precincts. Statewide, in 2020, there were 2,698 VTDs in Georgia.

jumps to 66.75%. Indeed, the BVAP in CD 13 has steadily increased over the past two decades. According to the 2010 Census, under the then-overpopulated Benchmark 2006 Plan, the BVAP in CD 13 stood at 55.70%.

42. As shown in **Figure 8**, based on the 2020 Census, the combined Black population in Cobb, Fulton, Douglas, and Fayette Counties is 807,076 persons, more than necessary to constitute an *entire* congressional district—or, put differently, a majority in two congressional districts.

Figure 8
Four-County Area: 2010 Census to 2020 Census Population and Black Population Changes

	2020 Population	**2020 Black Population**	**2010–2020 Population Change**	**2010–2020 Black Population Change**	**Black Population Change as Percentage of Total Change**
Cobb	766,149	223,116	78,071	42,151	53.99%
Douglas	144,237	74,260	11,834	20,007	169.06%
Fayette	119,194	32,076	12,627	9,578	75.85%
Fulton	1,066,710	477,624	146,129	60,732	41.56%
Total	**2,096,290**	**807,076**	**248,661**	**132,468**	**53.27%**

43. More than half (53.27%) of the total population increase in the four counties since 2010 can be attributed to the increase in the Black population. Building off this growth, the Illustrative Plan described in the next section shows how an additional majority-Black congressional district can be drawn in the area encompassing Cobb, Fulton, Douglas, and Fayette Counties—with no meaningful

impact on compactness and fewer splits of political subdivisions (i.e., counties, VTDs, and municipalities).

44. Indeed, that an additional majority-Black district can readily be drawn in this four-county area is confirmed by the composition of newly enacted Georgia State Senate districts in Metro Atlanta. The enacted 2021 Senate Plan includes three majority-Black districts that encompass parts of western Fulton County, southern Cobb County, and eastern Douglas County, and a fourth racially diverse Senate district in Cobb County.

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45. With respect to ideal district population size, four Senate districts are exactly the equivalent of one congressional district, given that 56 (the number of Senate districts) divided by 14 (the number of congressional districts) equals four. And, as shown in **Figure 9** below, there is ample room to create an additional majority-Black congressional district in the three-county area generally defined by three majority-Black and one racially diverse Senate districts in the enacted 2021 Senate Plan: SD 39 (approximately 61% BVAP), SD 35 (72% BVAP), SD 38 (60% BVAP), and Cobb County SD 42 (43% BVAP).

Figure 9
2021 Plan with Partial Senate Plan Overlay (Red Lines)

46. **Figure 10** below is a preview of the Illustrative Plan described in the next section. Note how majority-Black Illustrative CD 6 closely aligns with the four Senate districts displayed in Figure 8, and then extends west to include all of Douglas County, south to include all of southern Fulton County, and north into racially diverse areas of Cobb County.

Figure 10
Illustrative Plan with Partial Senate Plan Overlay (Red Lines)

IV. Illustrative Plan

A. Traditional Redistricting Principles

47. The Illustrative Plan I have prepared demonstrates that the Black population is sufficiently numerous and geographically compact to allow for the creation of an additional majority-Black congressional district in Metro Atlanta.

48. The Illustrative Plan adheres to traditional redistricting principles, including population equality, compactness, contiguity, respect for political subdivision boundaries, respect for communities of interest, and the non-dilution of minority voting strength.

49. I drew the Illustrative Plan to follow, to the extent possible, county boundaries. Where counties are split to comply with one-person, one-vote requirements, 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, municipal boundaries, census block groups, and post-2020 Census county commission districts.

50. In drafting the Illustrative Plan, I sought to minimize changes to the 2021 Plan while abiding by all of the traditional redistricting principles listed above. I balanced all of these considerations, and no one factor predominated in my drawing of the Illustrative Plan.

51. The result leaves intact six congressional districts in the enacted plan, modifying only eight districts in the 2021 Plan to create an additional majority-Black district (Illustrative CD 6) encompassing all of Douglas County and parts of Cobb, Fayette, and Fulton Counties. The eight districts that are changed under the Illustrative Plan are CD 3, CD 4, CD 6, CD 9, CD 10, CD 11, CD 13, and CD 14.

52. The districts in the Illustrative Plan are also contiguous.

53. As shown in **Figure 11**, the Illustrative Plan abides by the one-person, one-vote principle. Like the 2021 Plan, population deviations in the Illustrative Plan are plus or minus one person from the ideal population size of 765,136.

Figure 11
Illustrative Plan Population Summary

District	Population	Deviation	AP Black	% AP Black	Latino	% Latino	NH White	% NH White
1	765,137	1	230,783	30.16%	59,328	7.75%	440,636	57.59%
2	765,137	1	393,195	51.39%	45,499	5.95%	305,611	39.94%
3	765,135	-1	166,096	21.71%	49,935	6.53%	517,659	67.66%
4	765,136	0	410,019	53.59%	87,756	11.47%	212,004	27.71%
5	765,137	1	392,822	51.34%	56,496	7.38%	273,819	35.79%
6	765,137	1	396,891	51.87%	108,401	14.17%	225,985	29.54%
7	765,137	1	239,717	31.33%	181,851	23.77%	225,905	29.52%
8	765,136	0	241,628	31.58%	54,850	7.17%	443,123	57.91%
9	765,136	0	94,059	12.29%	128,393	16.78%	429,340	56.11%
10	765,137	1	118,199	15.45%	61,244	8.00%	548,312	71.66%
11	765,137	1	110,368	14.42%	81,466	10.65%	492,121	64.32%
12	765,136	0	294,961	38.55%	43,065	5.63%	398,843	52.13%
13	765,135	-1	404,963	52.93%	71,377	9.33%	253,135	33.08%
14	765,135	-1	44,445	5.81%	93,796	12.26%	595,663	77.85%
Total	**10,711,908**	**N/A**	**3,538,146**	**33.03%**	**1,123,457**	**10.49%**	**5,362,156**	**50.06%**

54. **Exhibit I-1** contains additional voting age and citizen voting age summaries by district.

B. Illustrative Plan Overview

55. The map in **Figure 12** depicts Metro Atlanta with an overlay of the Illustrative Plan. CD 6, the additional majority-Black district, is anchored in Cobb, Douglas, and Fulton Counties, along with a small part of Fayette County.

Figure 12
Illustrative Plan: Metro Atlanta

56. **Exhibit H-1** is a higher resolution of the Figure 10 map. **Exhibit H-2** is a statewide map that displays all 14 districts under the Illustrative Plan.

57. **Exhibit I-1** is a table reporting 2020 Census population statistics for the Illustrative Plan, as well as CVAP estimates from the Census Bureau's 2016–2020 Special Tabulation.[10]

58. **Exhibit I-2** is a set of maps depicting the Illustrative Plan, zooming in on each of the 14 districts under the Illustrative Plan. Districts in the 2021 Plan that do not change are displayed with red line boundaries.

59. **Exhibit I-3** details district assignments by county population in the Illustrative Plan.

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[10] In the summary population exhibits by plan that I have prepared, I also report the NH DOJ Black CVAP metric. The NH DOJ Black CVAP category includes voting age citizens who are either NH SR Black or NH Black and White. An "Any Part Black CVAP" category that would include Black Hispanics cannot be calculated from the 5-Year ACS Census Bureau Special Tabulation. 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 2016–2020 Special Tabulation, with a survey midpoint of July 1, 2018. Source: https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html. The 2016–2020 estimates reflect 2020 Census population distribution. The 2017–2021 CVAP estimates will be released by the Census Bureau in early 2023.

60. For comparison, the map in **Figure 13** depicts Metro Atlanta and surrounding counties with an overlay of the 2021 Plan. The 2021 Plan splits majority-non-White Cobb County into parts of four districts: from south to north, CD 13, CD 14, CD 11, and CD 6. Southwest Cobb County is in CD 14, which stretches all the way to the suburbs of Chattanooga.

Figure 13
2021 Plan: Metro Atlanta

61. **Exhibit J-1** is a higher resolution of the **Figure 10** map. **Exhibit J-2** is a statewide map that displays all 14 districts under the 2021 Plan.

62. For comparison, **Exhibit K-1** is a table reporting 2020 Census population statistics for the 2021 Plan, as well as CVAP estimates from the Census Bureau's 2016–2020 Special Tabulation.

63. **Exhibit K-2** is a set of maps depicting the 2021 Plan, zooming in on each of the 14 districts under the 2021 Plan.

64. **Exhibit K-3** details district assignments by county population in the 2021 Plan.

C. Communities of Interest

65. In the development of the Illustrative Plan, I prioritized keeping counties whole and minimizing unnecessary county splits. For example, as Illustrative CD 6 (which includes just three Cobb County splits) makes clear, there is no reason to split Cobb County into four pieces (i.e., four splits), as under the 2021 Plan.

66. I also endeavored to keep municipalities intact and avoid splitting VTDs (in that order of priority) wherever possible. In many instances there are geographic conflicts between municipality lines and VTD lines, such that keeping one geographic level whole might require splitting the other.

67. These three levels of geography—counties, municipalities, and VTDs—together with census tracts and census block groups are the best way to achieve a quantifiable measure of the extent to which a redistricting plan respects communities of interest.

68. Going beyond these quantifiable measures of communities of interest, it simply makes more sense to anchor Illustrative CD 6 in the western part of Metro Atlanta. As the Illustrative Plan demonstrates, CD 6 can be drawn in a compact fashion that keeps Atlanta-area urban/suburban/exurban voters together. In sharp contrast, the 2021 Plan—its treatment of Cobb County in particular—inexplicably mixes Appalachian North Georgia with urban/suburban Metro Atlanta. In some redistricting plans, it might be necessary to mix urban and rural voters in a sprawling congressional district. But that is not the case here: Cobb County can be combined in a congressional district with all or part of Douglas, Fulton, and Fayette Counties, all of which are core Metro Atlanta counties under the Atlanta Regional Commission map. Illustrative CD 6 thus unites Georgians in the Metro Atlanta area with shared interests and concerns.

69. In Cobb County, the Illustrative Plan assigns all but noncontiguous zero-population areas of Marietta to CD 6. Kennesaw (population 33,036) is split between CD 6 and CD 11.[11] (See **Exhibit M-3**.) By contrast, the 2021 Plan divides populated areas of Marietta (population 60,972) between CD 6 and CD 11 and also divides

[11] I placed the east end of Kennesaw in Illustrative CD 6—namely, two whole VTDs (Big Shanty 01 and Kennesaw 1A) and part of another (Kennesaw 3A). Big Shanty 01 contains a group of noncontiguous populated blocks surrounded by the oddly shaped Kennesaw 3A; I split Kennesaw 3A following two census-defined block group boundaries.

populated areas of Smyrna (population 55,663) between CD 11 and CD 13. (See **Exhibit M-4**.)

70. Douglas County is entirely in CD 6 in the Illustrative Plan. The 2021 Plan divides Douglas County between CD 6 and CD 11, splitting Douglasville (population 34,650). (See **Exhibit M-4**.)

71. In Fulton County, the Illustrative Plan and the 2021 Plan follow the boundary of CD 5, which is identical in both plans.

72. Illustrative CD 6 extends into Fayette County to ensure that CD 13 is not overpopulated. In order to meet zero-deviation requirements, the dividing line between Illustrative CD 6 and Illustrative CD 13 generally follows the municipal boundary of Tyrone (population 7,658). (See **Exhibit M-3**.) By contrast, in Fayette County, the 2021 Plan divides populated areas of Fayetteville (population 18,957) between CD 13 and CD 3. (See **Exhibit M-4**.)

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D. BVAP and BCVAP by District

73. Notably, the Illustrative Plan does not reduce the number of preexisting majority-Black districts in the 2021 Plan. For reference, **Figure 14** compares BVAP and BCVAP under the Illustrative Plan and the 2021 Plan. The eight districts that change are identified with a bolded font.

Figure 14
BVAP and BCVAP Comparison: Illustrative Plan and 2021 Plan

	Illustrative Plan				2021 Plan		
District*	**% BVAP**	**% NH BCVAP**	**% NH DOJ BCVAP**		**% BVAP**	**% NH BCVAP**	**% NH DOJ BCVAP**
1	28.17%	29.16%	29.67%		28.17%	29.16%	29.67%
2	49.29%	49.55%	50.001%		49.29%	49.55%	50.001%
3	**20.47%**	**19.64%**	**20.02%**		**23.32%**	**22.53%**	**22.86%**
4	**52.77%**	**55.62%**	**56.37%**		**54.52%**	**57.71%**	**58.46%**
5	49.60%	51.64%	52.35%		49.60%	51.64%	52.35%
6	**50.23%**	**50.18%**	**50.98%**		**9.91%**	**9.72%**	**10.26%**
7	29.82%	31.88%	32.44%		29.82%	31.88%	32.44%
8	30.04%	30.46%	30.76%		30.04%	30.46%	30.76%
9	**11.66%**	**11.29%**	**11.74%**		**10.42%**	**10.03%**	**10.34%**
10	**14.31%**	**15.09%**	**15.39%**		**22.60%**	**22.11%**	**22.56%**
11	**13.67%**	**12.91%**	**13.48%**		**17.95%**	**17.57%**	**18.30%**
12	36.72%	36.60%	37.19%		36.72%	36.60%	37.19%
13	**51.13%**	**49.64%**	**50.34%**		**66.75%**	**66.36%**	**67.05%**
14	**5.17%**	**4.80%**	**5.19%**		**14.28%**	**13.19%**	**13.71%**

*Bold font identifies districts that are changed from the 2021 Plan configuration.

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E. VAP by Race in Majority-Black and Majority-White Districts

74. As shown in **Figure 15**, only about half (49.96%) of Black voters in Georgia reside in a majority-Black congressional district under the 2021 Plan. Under the Illustrative Plan, 57.48% of the Black VAP would reside in a majority-Black district—still far lower than the corresponding 75.50% NH White VAP residing in majority-White districts.

Figure 15
Same-Race VAP in Majority-Black and Majority-White Districts: 2021 Plan and Illustrative Plan

Redistricting Plan	% Black VAP in Majority-Black Districts	%NH White VAP in Majority-White Districts	Difference (% Black VAP minus % NH White VAP)
2021 Plan	49.96%	82.47%	-32.51%
Illustrative Plan	57.48%	75.50%	-18.01%

F. Online Interactive Map

75. The Illustrative Plan can be viewed in detail and analyzed on the Dave's Redistricting website at the following link: https://davesredistricting.org/join/acc0684b-36b9-4b85-8049-ffb67a63aa57.

76. For comparison, the 2021 Plan can also be viewed and analyzed on the Dave's Redistricting website at the following link: https://davesredistricting.org/join/385b8d71-ecdb-4767-80d9-ebd75b8d8c63.

77. Alternatively, the Illustrative Plan can be viewed with a red-line overlay of the 2021 Plan on the Maptitude Online website at the following link: https://online.caliper.com/mas-874-drp-290-ujr/maps/lahchqqg000g8gqi3qx9.

G. Supplemental Plan Information and Comparisons

78. Compactness scores for the Illustrative Plan are about the same as the 2021 Plan—and within the norm in Georgia and elsewhere.[12] **Exhibit L-1** contains compactness scores generated by Maptitude for the Illustrative Plan. Corresponding scores for the 2012 Benchmark Plan and 2021 Plan are in **Exhibit L-2** and **Exhibit L-3**.

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[12] See, for example, the comparison of compactness scores across all states by the geospatial firm Azavea in their white paper titled *Redrawing the Map on Redistricting: 2012 Addendum*, available at: https://redistricting.azavea.com/assets/pdfs/Azavea_Redistricting-White-Paper-Addendum-2012_sm.pdf.

79. **Figure 13** (condensed from the Exhibit L series) is a summary, reporting the mean averages and low scores for the Reock[13] and Polsby-Popper[14] metrics under both the Illustrative Plan and the 2021 Plan.

Figure 13
Compactness Comparison: Illustrative Plan, 2012 Benchmark, and 2021 Plan

	Reock		**Polsby-Popper**	
	Mean	**Low**	**Mean**	**Low**
Illustrative Plan	.43	.28	.27	.18
2012 Benchmark	.45	.33	.26	.16
2021 Plan	.44	.31	.27	.16

80. **Exhibit M-1** contains a county and VTD split report generated by Maptitude for the Illustrative Plan. **Exhibit M-2** and **Exhibit M-3** are corresponding split reports for the 2012 Benchmark Plan and the 2021 Plan. **Exhibit M-4** contains the Illustrative Plan's municipal split report for the 531 incorporated cities and towns. **Exhibit M-5** and **Exhibit M-6** are corresponding split reports for the 2012 Benchmark Plan and the 2021 Plan.

[13] As the Maptitude for Redistricting software documentation (authored by the Caliper Corporation) explains, "[t]he 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."

[14] As the Maptitude for Redistricting software documentation (authored by the Caliper Corporation) explains, "[t]he 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."

81. **Figure 14** summarizes county, 2020 VTD, and municipal splits under the Illustrative Plan, the 2012 Benchmark Plan, and the 2021 Plan.

Figure 14
County, VTD, and Municipal Splits: Illustrative Plan, 2012 Benchmark, and 2021 Plan (All Districts)

	Split Counties*	County Splits*	2020 VTD Splits*	Split Cities/ Towns#	City/ Town Splits*
Illustrative Plan	15	18	43	37	78
2012 Benchmark Plan	16	22	43	40	85
2021 Plan	15	21	46	43	91

*****Excludes unpopulated areas
#Out of 531 municipalities (calculated by subtracting the number of whole cities in the Maptitude report from 531)

82. The Illustrative Plan and 2021 Plan both split 15 counties. But, as Figure 14 reveals, the Illustrative Plan is superior across the other four categories: **(1)** total county splits (counting multiple splits, i.e., unique county-district combinations in a single county)—18 vs. 21 splits; **(2)** 2020 VTD splits (counting multiple splits and excluding unpopulated areas)—43 vs. 46 splits, **(3)** split municipalities (out of 531)—37 vs. 43 splits; and **(4)** total municipal splits (excluding unpopulated areas)—78 vs. 91 splits.

H. County and Municipal Socioeconomic Characteristics

83. For background on socioeconomic characteristics by race and ethnicity at the state, MSA, county, municipal, and unincorporated-community levels in

Georgia, I have prepared charts based on the 5-Year 2015–2019 ACS. That data is available online.[15]

84. In addition, I have prepared charts and reproduced the U.S. Census Bureau's Table S0201[16] statistical summaries of socioeconomic characteristics from the 1-Year 2021 ACS for Georgia, the two most populous MSAs in the state (Atlanta and Augusta-Richmond County), and the four most populous counties of the Atlanta MSA (Cobb, Dekalb, Fulton, and Gwinnett). Statistics for other, less populous counties are not available in the S0201 series.

85. These charts and data tables document that socioeconomic disparities by race exist at the county and municipal levels throughout Georgia. In an almost unbroken fashion, NH Whites maintain higher levels of socioeconomic well-being.

V. CONCLUSION

86. The Black population in Metro Atlanta is sufficiently numerous and geographically compact to allow for the creation of an additional majority-Black congressional district consistent with traditional redistricting principles, anchored in

[15] The county-level data is available at http://www.fairdata2000.com/ACS_2015_19/Georgia; the community-level data is available at http://www.fairdata2000.com/ACS_2015_19/Georgia/00_Places_2500+; and the state-, metro counties-, and MSA-level data is available at http://www.fairdata2000.com/ACS_2021/Georgia.

[16] The full S0201 data is available at https://data.census.gov/cedsci/table?text=s0201&t=001%3A005%3A451&g=0400000US13,13%240500000_0500000US13067,13089,13121,13135_310XX00US12060,12260&y=2021.

Cobb, Fulton and Douglas Counties, without reducing the number of majority-Black districts in the 2021 Plan.

87. The Illustrative Plan creates an additional majority-Black district in Metro Atlanta, where the Black population has increased by 938,006 persons since 2000—accounting for 75.1% of the statewide Black population increase this century—and where, according to the Governor's Office of Planning and Budget, the Black population will continue to increase over the course of this decade.[17]

# # #

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

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

I declare under penalty of perjury that the foregoing is true and correct.

Executed on: December 5, 2022

Bill Cooper

WILLIAM S. COOPER

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT A

November 30, 2022

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 2022, 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-2020 Redistricting Experience

Since the release of the 2020 Census, three county commission-level plans I developed as a private consultant have been adopted by local governments in San Juan County, Utah, Bolivar County, Miss., and Washington County, Miss. In addition, a school board plan I developed was adopted by the Jefferson County, Alabama Board of Education (*Stout v. Jefferson County*).

In 2022, I have testified at trial in seven Sec. 2 lawsuits: Alabama (Congress), Arkansas (Supreme and Appellate Courts), Florida (voter suppression), Georgia (State

House, State Senate, and Congress), Louisiana (Congress) and Maryland (Baltimore County Commission).

2010s Redistricting Experience

I 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.

<u>Post-2010 Demographics Experience</u>

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
Caster v. Merrill (2022)
Chestnut v Merrill (2019)

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

Arkansas
The Christian Ministerial Alliance v. Hutchinson (2022)

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

Florida

NAACP v. Lee (2022)
Baroody v. City of Quincy (2020)

Georgia
Pendergrass v. Raffensperger (2022)
Alpha Phi Alpha v. Raffensperger (2022)
Cofield v. City of LaGrange (1996)
Love v. Deal (1995)
Askew v. City of Rome (1995)
Woodard v. Lumber City (1989)

Louisiana
Galmon v. Ardoin (2022)
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
NAACP v. Baltimore County (2022)
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
Baltimore County NAACP v. Baltimore County (2022)
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

# # #

DECLARATION OF WILLIAM S. COOPER:
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 1990-2020 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 and used 2020 block-level disaggregated citizenship data (2015-2019 ACS and 2016-2020 ACS) from the Redistricting Data Hub via https://redistrictingdatahub.org/

6. The attorneys for the plaintiffs provided me with incumbent addresses.

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. In addition, I obtained shapefiles for the House, Senate, and Congressional plans in effect during the early 2000's from the American Redistricting Project.
https://thearp.org/blog/map-archive/

9. 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.

10. I also reviewed and used data from the American Community Survey ("ACS") conducted by the Census Bureau – specifically, the 1-year 2021 ACS, the 5-year 2015-2019 ACS, and the 5-year 2016-2020 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

# # #

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT C

Georgia: 2020 Core Based Statistical Areas and Counties

U.S. Census Bureau, Population Division

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT D

Metro Atlanta Black Population Change 2010-2020 by County

Illustrative District 6 Counties with Highlight

County (Metro Atlanta in Bold)	2020 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Black	18+ Latino	NH18+ White	2010 -2020 Change: Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change
BARROW	83505	11907	10560	55582	62195	8222	6726	43241	14138	3287	12417	2553	45.0%
BARTOW	108901	13395	10751	80159	83570	9377	6817	63759	8744	2365	10213	2083	28.6%
BUTTS	25434	7212	803	16628	20360	5660	559	13510	1779	595	2030	564	11.1%
CARROLL	119148	24618	9586	80725	90996	17827	6129	63803	8621	3049	8593	2916	19.6%
CHEROKEE	266620	21687	32111	197867	202928	14976	20915	156155	52274	7817	47502	6222	71.1%
CLAYTON	297595	216351	42546	25902	220578	158854	27378	23396	38171	40374	36133	37475	30.9%
COBB	766149	223116	111240	369182	591848	166141	74505	303300	78071	42151	80257	41430	33.2%
COWETA	146158	28289	11053	99421	111155	20196	7384	78073	18841	5130	18670	4501	28.7%
DAWSON	26798	392	1605	23544	21441	249	1047	19183	4468	203	4194	146	141.7%
DEKALB	764382	407451	81471	215895	595276	314230	55506	180161	72489	22898	68519	34330	12.3%
DOUGLAS	144237	74260	16035	49877	108428	53377	10212	41416	11834	20007	13558	17860	50.3%
FAYETTE	119194	32076	9480	68144	91798	23728	6168	55102	12627	9578	13330	8373	54.5%
FORSYTH	251283	13222	25226	159407	181193	8751	16204	122017	75772	7917	59087	5460	165.9%
FULTON	1066710	477624	86302	404793	847182	368635	61914	340541	146129	60732	146287	62029	20.2%
GWINNETT	957062	287687	220460	310583	709484	202762	146659	252041	151741	86155	138870	71745	54.8%
HARALSON	29919	1541	497	26825	22854	1106	323	20617	1139	13	1307	44	4.1%
HEARD	11412	1142	253	9589	8698	832	153	7407	-422	-101	-88	-60	-6.7%
HENRY	240712	125211	18437	86297	179973	89657	12030	69744	36790	46914	35708	38225	74.3%
JASPER	14588	2676	684	10771	11118	1966	402	8400	688	-466	693	-306	-13.5%
LAMAR	18500	5220	475	12344	14541	4017	323	9852	183	-611	93	-577	-12.6%
MERIWETHER	20613	7547	475	12084	16526	5845	299	9994	-1379	-1204	-256	-393	-6.3%
MORGAN	20097	4339	712	14487	15574	3280	434	11452	2229	20	2145	160	5.1%
NEWTON	112483	55901	7164	46746	84748	40433	4561	37631	12525	13634	13663	12748	46.0%
PAULDING	168661	41296	12564	108444	123998	28164	7974	83066	26337	15231	24768	11767	71.8%
PICKENS	33216	512	1198	30122	26799	319	755	24626	3785	124	4005	81	34.0%
PIKE	18889	1613	348	16313	14337	1254	207	12422	1020	-333	1306	-210	-14.3%
ROCKDALE	93570	57204	9540	24500	71503	41935	6089	21457	8355	16468	9202	14643	53.7%
SPALDING	67306	24522	3666	37105	52123	17511	2377	30612	3233	2894	4261	2752	18.6%
WALTON	96673	18804	5228	68499	73098	13165	3236	53647	12905	5086	11918	4068	44.7%
29-County MSA	**6,089,815**	**2,186,815**	**730,470**	**2,661,835**	**4,654,322**	**1,622,469**	**487,286**	**2,156,625**	**803,087**	**409,927**	**768,385**	**380,629**	**30.7%**

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT E

Georgia Congressional Districts

Client: State
Plan: Congress12
Type: Congress

Legislative & Congressional Reapportionment Office
Georgia General Assembly

Map layers
Districts
County
0 20 40 60
Miles

Georgia Congressional Districts

Client: State
Plan: Congress12
Type: Congress

Georgia Congressional Districts

Client: State
Plan: Congress12
Type: Congress

Plan Name: **Congress12** Plan Type : **Congress** User: **staff** Administrator: **State**

DISTRICT		POPULATION	DEVIATION	% DEVIATION	BLACK	% BLACK	BLACK COMBO	TOTAL BLACK	%TOTAL BLACK	HISP. OR LATINO	%HISP
001		691,974	-1	0.00%	207,711	30.02%	8,443	216,154	31.24%	39,767	5.75%
	VAP	518,743			147,082	28.35%	3,105	150,187	28.95%	25,656	4.95%
002		691,976	1	0.00%	354,925	51.29%	6,835	361,760	52.28%	31,577	4.56%
	VAP	516,392			252,570	48.91%	2,847	255,417	49.46%	20,824	4.03%
003		691,974	-1	0.00%	159,578	23.06%	7,034	166,612	24.08%	34,910	5.04%
	VAP	511,518			112,315	21.96%	2,247	114,562	22.40%	22,243	4.35%
004		691,976	1	0.00%	397,911	57.50%	10,608	408,519	59.04%	64,605	9.34%
	VAP	503,508			278,767	55.36%	5,240	284,007	56.41%	41,041	8.15%
005		691,976	1	0.00%	409,269	59.14%	9,031	418,300	60.45%	54,614	7.89%
	VAP	541,900			306,497	56.56%	5,708	312,205	57.61%	37,210	6.87%
006		691,975	0	0.00%	86,265	12.47%	6,771	93,036	13.44%	92,409	13.35%
	VAP	519,046			64,149	12.36%	3,330	67,479	13.00%	62,253	11.99%
007		691,975	0	0.00%	125,010	18.07%	8,298	133,308	19.26%	129,930	18.78%
	VAP	489,868			83,770	17.10%	3,453	87,223	17.81%	82,112	16.76%
008		691,976	1	0.00%	204,995	29.62%	5,455	210,450	30.41%	39,578	5.72%
	VAP	518,240			145,966	28.17%	1,898	147,864	28.53%	25,129	4.85%
009		691,975	0	0.00%	46,065	6.66%	3,675	49,740	7.19%	79,413	11.48%
	VAP	520,856			33,384	6.41%	1,014	34,398	6.60%	46,597	8.95%
010		691,976	1	0.00%	172,398	24.91%	5,577	177,975	25.72%	32,589	4.71%
	VAP	521,343			123,759	23.74%	1,963	125,722	24.12%	20,668	3.96%
011		691,975	0	0.00%	107,707	15.57%	7,554	115,261	16.66%	75,109	10.85%
	VAP	512,598			76,732	14.97%	3,130	79,862	15.58%	47,452	9.26%
012		691,975	0	0.00%	238,190	34.42%	7,297	245,487	35.48%	36,890	5.33%
	VAP	518,253			169,848	32.77%	2,741	172,589	33.30%	23,384	4.51%
013		691,976	1	0.00%	382,493	55.28%	11,657	394,150	56.96%	71,303	10.30%
	VAP	495,652			262,130	52.89%	5,163	267,293	53.93%	43,142	8.70%
014		691,974	-1	0.00%	57,918	8.37%	5,428	63,346	9.15%	70,995	10.26%
	VAP	508,184			40,501	7.97%	1,480	41,981	8.26%	41,291	8.13%

Plan Name: **Congress12** Plan Type : **Congress** User: **staff** Administrator: **State**

DISTRICT	POPULATION	DEVIATION	% DEVIATION	BLACK	% BLACK	BLACK COMBO	TOTAL BLACK	%TOTAL BLACK	HISP. OR LATINO	%HISP

Total Population: 9,687,653

Ideal Value: 691,975

Summary Statistics

Population Range: 691,974 to 691,976

Absolute Overall Range: 2

Relative Range: 0.00% to 0.00%

Relative Overall Range: 0.00%

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT F

Population Summary Report

Georgia U.S. House -- 2020 Census -- 2012 Benchmark Plan

District	Population	Deviation	% Deviation	AP Black	% AP Black	Latino	% Latino	NH White	% NH White
01	755781	-9355	-1.22%	230595	30.51%	59037	7.81%	431902	57.15%
02	673028	-92108	-12.04%	357993	53.19%	38403	5.71%	259967	38.63%
03	763075	-2061	-0.27%	210025	27.52%	49428	6.48%	467888	61.32%
04	773761	8625	1.13%	478654	61.86%	84862	10.97%	160581	20.75%
05	788126	22990	3.00%	450410	57.15%	65869	8.36%	229087	29.07%
06	765793	657	0.09%	111594	14.57%	107495	14.04%	425616	55.58%
07	859440	94304	12.33%	192903	22.45%	179379	20.87%	327075	38.06%
08	719919	-45217	-5.91%	234178	32.53%	49867	6.93%	410808	57.06%
09	775367	10231	1.34%	58090	7.49%	102240	13.19%	580920	74.92%
10	775012	9876	1.29%	204453	26.38%	52350	6.75%	480661	62.02%
11	802515	37379	4.89%	147155	18.34%	101218	12.61%	501446	62.48%
12	738624	-26512	-3.47%	270885	36.67%	49500	6.70%	390796	52.91%
13	792916	27780	3.63%	509032	64.20%	95919	12.10%	164627	20.76%
14	728551	-36585	-4.78%	82179	11.28%	87890	12.06%	530782	72.85%
Total	**10711908**		**24.37%**	**3538146**	**33.03%**	**1123457**	**10.49%**	**5362156**	**50.06%**

District	18+ Pop	18+ SR Black	% 18+ SR Black	18+ AP Black	% 18+ AP Black	18+ Latino	% 18+ Latino	18+ NH White	% 18+ NH White
01	582105	157603	27.07%	165850	28.49%	39826	6.84%	349176	59.99%
02	518145	257952	49.78%	264896	51.12%	25509	4.92%	214262	41.35%
03	583475	144198	24.71%	151383	25.95%	32235	5.52%	373021	63.93%
04	587002	342687	58.38%	357025	60.82%	55810	9.51%	136384	23.23%
05	635913	337506	53.07%	350672	55.14%	47194	7.42%	200864	31.59%
06	589600	76565	12.99%	85256	14.46%	72875	12.36%	342630	58.11%
07	635791	125592	19.75%	136048	21.40%	120021	18.88%	261700	41.16%
08	549306	163622	29.79%	169305	30.82%	32639	5.94%	328086	59.73%
09	603376	37833	6.27%	41315	6.85%	64783	10.74%	471167	78.09%
10	599155	143138	23.89%	149396	24.93%	34397	5.74%	386676	64.54%
11	622759	100488	16.14%	109414	17.57%	67723	10.87%	404958	65.03%
12	565091	189400	33.52%	197124	34.88%	32450	5.74%	313867	55.54%
13	596630	359769	60.30%	373783	62.65%	62186	10.42%	140659	23.58%
14	551926	52066	9.43%	56519	10.24%	55270	10.01%	418883	75.89%
Total	**8220274**	**2488419**	**30.27%**	**2607986**	**31.73%**	**742918**	**9.04%**	**4342333**	**52.82%**

District	% NH Single-Race Black CVAP*	% Latino CVAP	% NH Single-Race Asian CVAP*	% SR NH White CVAP
001	30.09%	4.47%	1.55%	62.88%
002	51.78%	2.96%	1.00%	43.47%
003	24.88%	3.61%	1.60%	69.06%
004	63.91%	3.95%	3.45%	27.85%
005	59.21%	3.50%	3.41%	33.18%
006	15.20%	5.78%	8.07%	70.14%
007	22.46%	9.90%	11.84%	54.91%
008	31.28%	3.20%	1.28%	63.51%
009	7.15%	5.32%	1.12%	85.39%
010	25.49%	3.29%	1.89%	68.68%
011	17.37%	5.62%	2.67%	73.54%
012	35.23%	3.75%	1.45%	58.83%
013	61.85%	5.45%	2.46%	29.45%
014	9.57%	5.27%	0.85%	83.31%

Note: Citizen Voting Age Population (CVAP) percentages are disaggregated from block-group level ACS estimates (with a survey midpoint of July 2017)

Source for CVAP disaggregation: Redistricting Data Hub

https://redistrictingdatahub.org/dataset/georgia-cvap-data-disaggregated-to-the-2020-block-level-2019/

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT G

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

Proposed Joint Congressional Districts of Georgia

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

©2021 CALIPER

Map layers
Districts
County
0 20 40
Miles

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

Proposed Joint Congressional Districts of Georgia

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

Proposed Joint Congressional Districts of Georgia

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

Population Summary

Summary Statistics:

Population Range:	765,135 to 765,137
Ratio Range:	0.00
Absolute Range:	-1 to 1
Absolute Overall Range:	2
Relative Range:	0.00% to 0.00%
Relative Overall Range:	0.00%
Absolute Mean Deviation:	0.71
Relative Mean Deviation:	0.00%
Standard Deviation:	0.80

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	765,137	1	0.00%	589,266	77.01%	57.59%	27.54%	7.75%	2.19%	0.24%	0.16%	0.44%	4.1%
002	765,137	1	0.00%	587,555	76.79%	39.94%	49.03%	5.95%	1.34%	0.21%	0.1%	0.34%	3.09%
003	765,136	0	0.00%	586,319	76.63%	64.37%	22.61%	6.31%	2.09%	0.21%	0.04%	0.47%	3.91%
004	765,135	-1	0.00%	589,470	77.04%	25.82%	52.19%	11.63%	6.13%	0.16%	0.04%	0.65%	3.39%
005	765,137	1	0.00%	621,515	81.23%	35.79%	48.53%	7.38%	4.09%	0.16%	0.04%	0.52%	3.49%
006	765,136	0	0.00%	574,797	75.12%	63.7%	8.58%	10.23%	12.4%	0.16%	0.04%	0.69%	4.21%
007	765,137	1	0.00%	566,934	74.1%	29.52%	28.11%	23.77%	14.26%	0.16%	0.04%	0.69%	3.45%
008	765,136	0	0.00%	585,857	76.57%	57.91%	29.72%	7.17%	1.56%	0.19%	0.05%	0.31%	3.09%
009	765,137	1	0.00%	592,520	77.44%	64.7%	9.72%	15.39%	5.95%	0.2%	0.04%	0.42%	3.59%
010	765,135	-1	0.00%	588,874	76.96%	63.58%	22.12%	7.66%	2.26%	0.17%	0.04%	0.53%	3.63%
011	765,137	1	0.00%	595,201	77.79%	61.33%	16.33%	13.04%	3.76%	0.19%	0.04%	0.82%	4.49%
012	765,136	0	0.00%	588,119	76.86%	52.13%	36.12%	5.63%	1.83%	0.21%	0.11%	0.36%	3.61%
013	765,137	1	0.00%	574,789	75.12%	16.35%	64.26%	12.23%	3.17%	0.18%	0.05%	0.66%	3.1%
014	765,135	-1	0.00%	579,058	75.68%	68.07%	13.58%	12.69%	1.14%	0.22%	0.05%	0.4%	3.85%

Total: **10,711,908**
Ideal District: **765,136**

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

Population Summary

Summary Statistics:

Population Range:	765,135 to 765,137
Ratio Range:	0.00
Absolute Range:	-1 to 1
Absolute Overall Range:	2
Relative Range:	0.00% to 0.00%
Relative Overall Range:	0.00%
Absolute Mean Deviation:	0.71
Relative Mean Deviation:	0.00%
Standard Deviation:	0.80

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	765,137	1	0.00%	589,266	77.01%	60.41%	26.44%	6.78%	2.36%	0.26%	0.14%	0.37%	3.24%
002	765,137	1	0.00%	587,555	76.79%	42.73%	47.62%	5.12%	1.41%	0.23%	0.09%	0.28%	2.53%
003	765,136	0	0.00%	586,319	76.63%	66.83%	22%	5.33%	2.08%	0.22%	0.04%	0.38%	3.11%
004	765,135	-1	0.00%	589,470	77.04%	28.25%	51.79%	10.12%	6.09%	0.16%	0.04%	0.58%	2.96%
005	765,137	1	0.00%	621,515	81.23%	37.92%	47.14%	6.67%	4.53%	0.16%	0.04%	0.48%	3.07%
006	765,136	0	0.00%	574,797	75.12%	66.63%	8.61%	9.11%	11.44%	0.14%	0.04%	0.63%	3.41%
007	765,137	1	0.00%	566,934	74.1%	32.78%	27.35%	21.27%	14.97%	0.16%	0.04%	0.59%	2.85%
008	765,136	0	0.00%	585,857	76.57%	60.52%	28.84%	6.1%	1.6%	0.2%	0.05%	0.25%	2.43%
009	765,137	1	0.00%	592,520	77.44%	68.29%	9.37%	12.89%	5.94%	0.21%	0.03%	0.34%	2.92%
010	765,135	-1	0.00%	588,874	76.96%	66.2%	21.34%	6.51%	2.3%	0.19%	0.03%	0.46%	2.98%
011	765,137	1	0.00%	595,201	77.79%	63.99%	16.25%	11.22%	3.82%	0.2%	0.04%	0.75%	3.73%
012	765,136	0	0.00%	588,119	76.86%	54.65%	35.06%	4.87%	1.95%	0.22%	0.1%	0.3%	2.86%
013	765,137	1	0.00%	574,789	75.12%	18.82%	63.75%	10.52%	3.38%	0.19%	0.05%	0.61%	2.68%
014	765,135	-1	0.00%	579,058	75.68%	71.33%	13.14%	10.58%	1.17%	0.23%	0.04%	0.32%	3.2%

Total: **10,711,908**
Ideal District: **765,136**

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT H-1

U.S. House
0 10 20
Miles
Illustrative Plan
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14
11
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DECLARATION OF WILLIAM S. COOPER:
EXHIBIT H-2

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Tallahassee
Greenville
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Evergreen Hills
Greenwood
Columbia
Sumter
Florence
Aiken
Orangeburg
Goose Creek
North Charleston
Charleston
Beaufort
Hilton Head Island
Brunswick
Saint Marys
Jacksonville Beach
Dublin
Statesboro
Vidalia
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Moultrie
Americus
Birmingham
Hoover
Talladega
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Gadsden
Albertville
Alexander City
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DECLARATION OF WILLIAM S. COOPER:
EXHIBIT I-1

Population Summary Report

Georgia U.S. House -- 2020 Census -- Illustrative Plan

District	Population	Deviation	% Deviation	AP Black	% AP Black	Latino	% Latino	NH White	% NH White
001	765137	1	0.00%	230783	30.16%	59328	7.75%	440636	57.59%
002	765137	1	0.00%	393195	51.39%	45499	5.95%	305611	39.94%
003	765135	-1	0.00%	166096	21.71%	49935	6.53%	517659	67.66%
004	765136	0	0.00%	410019	53.59%	87756	11.47%	212004	27.71%
005	765137	1	0.00%	392822	51.34%	56496	7.38%	273819	35.79%
006	765137	1	0.00%	396891	51.87%	108401	14.17%	225985	29.54%
007	765137	1	0.00%	239717	31.33%	181851	23.77%	225905	29.52%
008	765136	0	0.00%	241628	31.58%	54850	7.17%	443123	57.91%
009	765136	0	0.00%	94059	12.29%	128393	16.78%	429340	56.11%
010	765137	1	0.00%	118199	15.45%	61244	8.00%	548312	71.66%
011	765137	1	0.00%	110368	14.42%	81466	10.65%	492121	64.32%
012	765136	0	0.00%	294961	38.55%	43065	5.63%	398843	52.13%
013	765135	-1	0.00%	404963	52.93%	71377	9.33%	253135	33.08%
014	765135	-1	0.00%	44445	5.81%	93796	12.26%	595663	77.85%
Total	**10711908**		**0.00%**	**3538146**	**33.03%**	**1123457**	**10.49%**	**5362156**	**50.06%**

District	18+ Pop	18+ SR Black	% 18+ SR Black	18+ AP Black	% 18+ AP Black	18+ Latino	% 18+ Latino	18+ NH White	% 18+ NH White
001	589266	157770	26.77%	166025	28.17%	39938	6.78%	355947	60.41%
002	587555	281564	47.92%	289612	49.29%	30074	5.12%	251047	42.73%
003	580018	112454	19.39%	118709	20.47%	31852	5.49%	405926	69.99%
004	590640	298897	50.61%	311670	52.77%	58947	9.98%	177832	30.11%
005	621515	295885	47.61%	308271	49.60%	41432	6.67%	235652	37.92%
006	587247	282051	48.03%	294976	50.23%	71798	12.23%	192370	32.76%
007	566934	157650	27.81%	169071	29.82%	120604	21.27%	185838	32.78%
008	585857	170421	29.09%	175967	30.04%	35732	6.10%	354572	60.52%
009	564244	59821	10.60%	65790	11.66%	83453	14.79%	335720	59.50%
010	602127	81481	13.53%	86178	14.31%	39876	6.62%	447109	74.25%
011	588795	72303	12.28%	80507	13.67%	55168	9.37%	393920	66.90%
012	588119	207872	35.35%	215958	36.72%	28628	4.87%	321394	54.65%
013	576337	283204	49.14%	294669	51.13%	46150	8.01%	207154	35.94%
014	591620	27046	4.57%	30583	5.17%	59266	10.02%	477852	80.77%
Total	**8220274**	**2488419**	**30.27%**	**2607986**	**31.73%**	**742918**	**9.04%**	**4342333**	**52.82%**

District	% NH Single-Race Black CVAP*	% NH DOJ Black CVAP**	% Latino CVAP	% SR NH White CVAP
001	29.16%	29.67%	4.49%	63.10%
002	49.55%	50.001%	3.17%	44.62%
003	19.64%	20.02%	3.61%	74.12%
004	55.62%	56.37%	3.89%	35.11%
005	51.64%	52.35%	3.48%	39.75%
006	50.18%	50.98%	6.45%	39.13%
007	31.88%	32.44%	11.20%	43.69%
008	30.46%	30.76%	3.79%	63.40%
009	11.29%	11.74%	8.78%	71.51%
010	15.09%	15.39%	3.93%	78.27%
011	12.91%	13.48%	5.92%	74.73%
012	36.60%	37.19%	3.39%	56.94%
013	49.64%	50.34%	4.96%	40.44%
014	4.80%	5.19%	5.57%	87.19%

CVAP Source:

* 2016-20 ACS Special Tabulation https://redi https://redistrictingdatahub.org/dataset/georgia-cvap-data-disaggregated-to-the-block-level-2020/

Note: Citizen Voting Age Population (CVAP) percentages are disaggreagated from block-gorup level ACS estimates

* Single race NH Black CVAP, **NH DOJ Black= SR NH Black CVAP+SR NH Black/White CVAP

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT I-2

Cochran
LAURENS
Soperton
EMANUEL
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BULLOCH
Rincon
Hilton Head Island
Eastman
DODGE
Vidalia
WHEELER
TOOMBS
EVANS
BRYAN
Savannah
TATTNALL
CHATHAM
Georgetown
Tybee Island
TELFAIR
LIBERTY
Hinesville
Hazlehurst
JEFF DAVIS
Baxley
APPLING
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BEN HILL
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IRWIN
Jesup
COFFEE
BACON
WAYNE
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MCINTOSH
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PIERCE
ATKINSON
Blackshear
BERRIEN
Nashville
Waycross
BRANTLEY
GLYNN
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WARE
Homerville
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TELFAIR
Hazlehurst
QUITMAN
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Leesburg
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Ashburn
BEN HILL
JEFF DAVIS
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CALHOUN
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Bainbridge
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Thomasville
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LOWNDES
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GRADY
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Dadeville
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Auburn
Tallassee
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Union Springs
Troy
Brundidge
Clio
Abbeville
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Bonifay
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Spartanburg
Piedmont
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Laurens
Clinton
Abbeville
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Saluda
Edgefield
Aiken
Martinez
Augusta
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Plainville
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Nelson
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Ball Ground
Waleska
White
CHEROKEE
Canton
Kingston
BARTOW
FORSYTH
Holly Springs
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Cartersville
Euharlee
Emerson
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Woodstock
Taylorsville
Mountain Park
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Kennesaw
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PAULDING
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Swainsboro
TWIGGS
Warner Robins
PEACH
Dublin
HOUSTON
BLECKLEY
Cochran
LAURENS
TREUTLEN
Soperton
CANDLER
BULLOCH
Statesboro
EFFINGHAM
Rincon
Hawkinsville
PULASKI
Eastman
Vidalia
MONTGOMERY
TOOMBS
EVANS
DOOLY
DODGE
WHEELER
TATTNALL
BRYAN
CHATHAM
Cordele
WILCOX
CRISP
TELFAIR
Hazlehurst
APPLING
JEFF DAVIS
Baxley
LONG
LIBERTY
Hinesville
Batesburg-Leesville
Edgefield
Aiken
Orangeburg
Williston
Denmark
Bamberg
Barnwell
Allendale
Fairfax
Hampton
Walterboro
Estill
Laurel Bay
Beaufort
Hilton Head Island
Savannah
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U.S. House
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2021 Plan District
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Miles
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FULTON
East Point
College Park
Forest Park
CLAYTON
Union City
Fairburn
Riverdale
Candler-McAfee
DEKALB
Conyers
ROCKDALE
Covington
WALTON
MORGAN
NEWTON
Stockbridge
Fayetteville
FAYETTE
Peachtree City
McDonough
HENRY
JASPER
Jackson
BUTTS
Griffin
SPALDING
COWETA
MERIWETHER
PIKE
LAMAR
MONROE
Barnesville
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GA_Places-2020
2021 Plan District
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DADE
CATOOSA
WHITFIELD
MURRAY
FANNIN
TOWNS
UNION
WALKER
GILMER
WHITE
LUMPKIN
CHATTOOGA
GORDON
PICKENS
DAWSON
HALL
FLOYD
BARTOW
CHEROKEE
FORSYTH
POLK
PAULDING
COBB
FULTON
Chattanooga
East Ridge
Fairview
Dalton
Chatsworth
Murphy
Summerville
Calhoun
Dahlonega
Gainesville
Rome
Cedar Bluff
Lindale
Cartersville
Canton
Cumming
Cedartown
Kennesaw
Alpharetta
Roswell
Suwanee
Johns Creek
Dulut
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DECLARATION OF WILLIAM S. COOPER:
EXHIBIT I-3

User:
Plan Name: Illustrative Plan
Plan Type:

Plan Components with Population Detail

Monday, November 21, 2022 2:45 PM

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 001				
County: Appling GA				
Total:	18,444	12,674	3,647	1,825
		68.72%	19.77%	9.89%
Voting Age	13,958	10,048	2,540	1,118
		71.99%	18.20%	8.01%
County: Bacon GA				
Total:	11,140	8,103	1,970	875
		72.74%	17.68%	7.85%
Voting Age	8,310	6,374	1,245	547
		76.70%	14.98%	6.58%
County: Brantley GA				
Total:	18,021	16,317	733	326
		90.54%	4.07%	1.81%
Voting Age	13,692	12,522	470	212
		91.45%	3.43%	1.55%
County: Bryan GA				
Total:	44,738	31,321	7,463	3,269
		70.01%	16.68%	7.31%
Voting Age	31,828	23,033	5,025	1,919
		72.37%	15.79%	6.03%
County: Camden GA				
Total:	54,768	37,203	11,072	3,658
		67.93%	20.22%	6.68%
Voting Age	41,808	29,410	7,828	2,457
		70.35%	18.72%	5.88%
County: Charlton GA				
Total:	12,518	7,532	2,798	2,036
		60.17%	22.35%	16.26%
Voting Age	10,135	5,929	2,147	1,971
		58.50%	21.18%	19.45%
County: Chatham GA				
Total:	295,291	139,433	115,458	23,790
		47.22%	39.10%	8.06%
Voting Age	234,715	119,161	85,178	16,551
		50.77%	36.29%	7.05%
County: Effingham GA				
Total:	47,208	35,249	6,652	2,875
		74.67%	14.09%	6.09%
Voting Age	34,272	26,449	4,374	1,700
		77.17%	12.76%	4.96%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 001				
County: Glynn GA				
Total:	84,499	52,987	22,098	6,336
		62.71%	26.15%	7.50%
Voting Age	66,468	44,302	15,620	4,116
		66.65%	23.50%	6.19%
County: Liberty GA				
Total:	65,256	24,004	31,146	7,786
		36.78%	47.73%	11.93%
Voting Age	48,014	19,065	21,700	5,231
		39.71%	45.20%	10.89%
County: Long GA				
Total:	16,168	8,774	4,734	1,979
		54.27%	29.28%	12.24%
Voting Age	11,234	6,422	3,107	1,227
		57.17%	27.66%	10.92%
County: McIntosh GA				
Total:	10,975	7,060	3,400	231
		64.33%	30.98%	2.10%
Voting Age	9,040	5,998	2,641	166
		66.35%	29.21%	1.84%
County: Pierce GA				
Total:	19,716	16,403	1,801	998
		83.20%	9.13%	5.06%
Voting Age	14,899	12,662	1,262	595
		84.99%	8.47%	3.99%
County: Ware GA				
Total:	36,251	22,275	11,421	1,612
		61.45%	31.51%	4.45%
Voting Age	27,788	17,818	8,226	1,012
		64.12%	29.60%	3.64%
County: Wayne GA				
Total:	30,144	21,301	6,390	1,732
		70.66%	21.20%	5.75%
Voting Age	23,105	16,754	4,662	1,116
		72.51%	20.18%	4.83%
District 001 Total				
Total:	765,137	440,636	230,783	59,328
		57.59%	30.16%	7.75%
Voting Age	589,266	355,947	166,025	39,938
		60.41%	28.17%	6.78%
District 002				
County: Baker GA				
Total:	2,876	1,514	1,178	143
		52.64%	40.96%	4.97%
Voting Age	2,275	1,235	932	77
		54.29%	40.97%	3.38%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 002				
County: Bibb GA				
Total:	108,371	29,397	72,197	4,818
		27.13%	66.62%	4.45%
Voting Age	82,489	25,121	52,370	3,351
		30.45%	63.49%	4.06%
County: Calhoun GA				
Total:	5,573	1,766	3,629	149
		31.69%	65.12%	2.67%
Voting Age	4,687	1,567	2,998	90
		33.43%	63.96%	1.92%
County: Chattahoochee GA				
Total:	9,565	5,403	1,825	1,610
		56.49%	19.08%	16.83%
Voting Age	7,199	4,212	1,287	1,160
		58.51%	17.88%	16.11%
County: Clay GA				
Total:	2,848	1,143	1,634	41
		40.13%	57.37%	1.44%
Voting Age	2,246	973	1,231	19
		43.32%	54.81%	0.85%
County: Crawford GA				
Total:	12,130	8,866	2,455	415
		73.09%	20.24%	3.42%
Voting Age	9,606	7,079	1,938	287
		73.69%	20.17%	2.99%
County: Decatur GA				
Total:	29,367	14,280	12,583	1,911
		48.63%	42.85%	6.51%
Voting Age	22,443	11,586	9,189	1,196
		51.62%	40.94%	5.33%
County: Dooly GA				
Total:	11,208	4,611	5,652	797
		41.14%	50.43%	7.11%
Voting Age	9,187	4,029	4,526	493
		43.86%	49.27%	5.37%
County: Dougherty GA				
Total:	85,790	20,631	61,457	2,413
		24.05%	71.64%	2.81%
Voting Age	66,266	17,909	45,631	1,591
		27.03%	68.86%	2.40%
County: Early GA				
Total:	10,854	4,813	5,688	186
		44.34%	52.40%	1.71%
Voting Age	8,315	3,985	4,075	113
		47.93%	49.01%	1.36%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 002				
County: Grady GA				
Total:	26,236	14,715	7,693	3,273
		56.09%	29.32%	12.48%
Voting Age	19,962	11,968	5,678	1,857
		59.95%	28.44%	9.30%
County: Houston GA				
Total:	48,521	19,375	22,637	4,663
		39.93%	46.65%	9.61%
Voting Age	36,233	16,052	15,657	2,988
		44.30%	43.21%	8.25%
County: Lee GA				
Total:	33,163	22,758	7,755	953
		68.62%	23.38%	2.87%
Voting Age	24,676	17,356	5,503	603
		70.34%	22.30%	2.44%
County: Macon GA				
Total:	12,082	4,078	7,296	472
		33.75%	60.39%	3.91%
Voting Age	9,938	3,379	6,021	322
		34.00%	60.59%	3.24%
County: Marion GA				
Total:	7,498	4,486	2,223	560
		59.83%	29.65%	7.47%
Voting Age	5,854	3,643	1,687	337
		62.23%	28.82%	5.76%
County: Miller GA				
Total:	6,000	3,949	1,831	136
		65.82%	30.52%	2.27%
Voting Age	4,749	3,239	1,358	92
		68.20%	28.60%	1.94%
County: Mitchell GA				
Total:	21,755	10,106	10,394	964
		46.45%	47.78%	4.43%
Voting Age	17,065	8,284	7,917	615
		48.54%	46.39%	3.60%
County: Muscogee GA				
Total:	175,155	58,991	95,521	13,791
		33.68%	54.54%	7.87%
Voting Age	132,158	48,043	69,548	9,099
		36.35%	52.62%	6.88%
County: Peach GA				
Total:	27,981	12,119	12,645	2,547
		43.31%	45.19%	9.10%
Voting Age	22,111	10,071	9,720	1,788
		45.55%	43.96%	8.09%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 002				
County: Quitman GA				
Total:	2,235	1,190	965	31
		53.24%	43.18%	1.39%
Voting Age	1,870	1,037	765	18
		55.45%	40.91%	0.96%
County: Randolph GA				
Total:	6,425	2,250	3,947	143
		35.02%	61.43%	2.23%
Voting Age	4,977	1,922	2,913	82
		38.62%	58.53%	1.65%
County: Schley GA				
Total:	4,547	3,357	933	175
		73.83%	20.52%	3.85%
Voting Age	3,328	2,520	644	103
		75.72%	19.35%	3.09%
County: Seminole GA				
Total:	9,147	5,617	3,093	228
		61.41%	33.81%	2.49%
Voting Age	7,277	4,681	2,275	160
		64.33%	31.26%	2.20%
County: Stewart GA				
Total:	5,314	1,338	2,538	1,217
		25.18%	47.76%	22.90%
Voting Age	4,617	1,161	2,048	1,196
		25.15%	44.36%	25.90%
County: Sumter GA				
Total:	29,616	11,528	15,546	1,770
		38.92%	52.49%	5.98%
Voting Age	23,036	9,800	11,479	1,147
		42.54%	49.83%	4.98%
County: Talbot GA				
Total:	5,733	2,427	3,145	112
		42.33%	54.86%	1.95%
Voting Age	4,783	2,129	2,537	56
		44.51%	53.04%	1.17%
County: Taylor GA				
Total:	7,816	4,584	2,946	168
		58.65%	37.69%	2.15%
Voting Age	6,120	3,686	2,235	107
		60.23%	36.52%	1.75%
County: Terrell GA				
Total:	9,185	3,189	5,707	177
		34.72%	62.13%	1.93%
Voting Age	7,204	2,709	4,274	121
		37.60%	59.33%	1.68%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 002				
County: Thomas GA				
Total:	45,798	25,994	16,975	1,577
		56.76%	37.06%	3.44%
Voting Age	35,037	20,740	12,332	970
		59.19%	35.20%	2.77%
County: Webster GA				
Total:	2,348	1,136	1,107	59
		48.38%	47.15%	2.51%
Voting Age	1,847	931	844	36
		50.41%	45.70%	1.95%
District 002 Total				
Total:	765,137	305,611	393,195	45,499
		39.94%	51.39%	5.95%
Voting Age	587,555	251,047	289,612	30,074
		42.73%	49.29%	5.12%
District 003				
County: Carroll GA				
Total:	119,148	80,725	24,618	9,586
		67.75%	20.66%	8.05%
Voting Age	90,996	63,803	17,827	6,129
		70.12%	19.59%	6.74%
County: Cobb GA				
Total:	25,421	19,628	2,784	1,371
		77.21%	10.95%	5.39%
Voting Age	18,690	14,828	1,889	872
		79.34%	10.11%	4.67%
County: Coweta GA				
Total:	146,158	99,421	28,289	11,053
		68.02%	19.36%	7.56%
Voting Age	111,155	78,073	20,196	7,384
		70.24%	18.17%	6.64%
County: Haralson GA				
Total:	29,919	26,825	1,541	497
		89.66%	5.15%	1.66%
Voting Age	22,854	20,617	1,106	323
		90.21%	4.84%	1.41%
County: Harris GA				
Total:	34,668	25,925	5,742	1,417
		74.78%	16.56%	4.09%
Voting Age	26,799	20,298	4,431	908
		75.74%	16.53%	3.39%
County: Heard GA				
Total:	11,412	9,589	1,142	253
		84.03%	10.01%	2.22%
Voting Age	8,698	7,407	832	153
		85.16%	9.57%	1.76%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 003				
County: Lamar GA				
Total:	18,500	12,344	5,220	475
		66.72%	28.22%	2.57%
Voting Age	14,541	9,852	4,017	323
		67.75%	27.63%	2.22%
County: Meriwether GA				
Total:	20,613	12,084	7,547	475
		58.62%	36.61%	2.30%
Voting Age	16,526	9,994	5,845	299
		60.47%	35.37%	1.81%
County: Muscogee GA				
Total:	31,767	20,092	6,691	2,722
		63.25%	21.06%	8.57%
Voting Age	24,894	16,592	4,753	1,795
		66.65%	19.09%	7.21%
County: Paulding GA				
Total:	168,661	108,444	41,296	12,564
		64.30%	24.48%	7.45%
Voting Age	123,998	83,066	28,164	7,974
		66.99%	22.71%	6.43%
County: Pike GA				
Total:	18,889	16,313	1,613	348
		86.36%	8.54%	1.84%
Voting Age	14,337	12,422	1,254	207
		86.64%	8.75%	1.44%
County: Polk GA				
Total:	42,853	30,161	5,816	5,585
		70.38%	13.57%	13.03%
Voting Age	32,238	24,049	3,991	3,252
		74.60%	12.38%	10.09%
County: Troup GA				
Total:	69,426	38,099	25,473	2,956
		54.88%	36.69%	4.26%
Voting Age	52,581	30,377	18,202	1,822
		57.77%	34.62%	3.47%
County: Upson GA				
Total:	27,700	18,009	8,324	633
		65.01%	30.05%	2.29%
Voting Age	21,711	14,548	6,202	411
		67.01%	28.57%	1.89%
District 003 Total				
Total:	765,135	517,659	166,096	49,935
		67.66%	21.71%	6.53%
Voting Age	580,018	405,926	118,709	31,852
		69.99%	20.47%	5.49%
District 004				

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 004				
County: DeKalb GA				
Total:	601,451	153,733	322,421	74,201
		25.56%	53.61%	12.34%
Voting Age	465,661	129,178	247,548	50,261
		27.74%	53.16%	10.79%
County: Newton GA				
Total:	70,115	33,771	30,394	4,015
		48.17%	43.35%	5.73%
Voting Age	53,476	27,197	22,187	2,597
		50.86%	41.49%	4.86%
County: Rockdale GA				
Total:	93,570	24,500	57,204	9,540
		26.18%	61.13%	10.20%
Voting Age	71,503	21,457	41,935	6,089
		30.01%	58.65%	8.52%
District 004 Total				
Total:	765,136	212,004	410,019	87,756
		27.71%	53.59%	11.47%
Voting Age	590,640	177,832	311,670	58,947
		30.11%	52.77%	9.98%
District 005				
County: Clayton GA				
Total:	37,919	2,578	27,594	6,497
		6.80%	72.77%	17.13%
Voting Age	27,885	2,344	20,301	4,185
		8.41%	72.80%	15.01%
County: DeKalb GA				
Total:	162,931	62,162	85,030	7,270
		38.15%	52.19%	4.46%
Voting Age	129,615	50,983	66,682	5,245
		39.33%	51.45%	4.05%
County: Fulton GA				
Total:	564,287	209,079	280,198	42,729
		37.05%	49.66%	7.57%
Voting Age	464,015	182,325	221,288	32,002
		39.29%	47.69%	6.90%
District 005 Total				
Total:	765,137	273,819	392,822	56,496
		35.79%	51.34%	7.38%
Voting Age	621,515	235,652	308,271	41,432
		37.92%	49.60%	6.67%
District 006				
County: Cobb GA				
Total:	452,386	164,732	175,347	83,302
		36.41%	38.76%	18.41%
Voting Age	352,053	141,014	131,674	55,556
		40.05%	37.40%	15.78%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 006				
County: Douglas GA				
Total:	144,237	49,877	74,260	16,035
		34.58%	51.48%	11.12%
Voting Age	108,428	41,416	53,377	10,212
		38.20%	49.23%	9.42%
County: Fayette GA				
Total:	4,143	2,109	998	891
		50.91%	24.09%	21.51%
Voting Age	3,000	1,700	652	543
		56.67%	21.73%	18.10%
County: Fulton GA				
Total:	164,371	9,267	146,286	8,173
		5.64%	89.00%	4.97%
Voting Age	123,766	8,240	109,273	5,487
		6.66%	88.29%	4.43%
District 006 Total				
Total:	765,137	225,985	396,891	108,401
		29.54%	51.87%	14.17%
Voting Age	587,247	192,370	294,976	71,798
		32.76%	50.23%	12.23%
District 007				
County: Fulton GA				
Total:	92,558	45,964	11,462	6,614
		49.66%	12.38%	7.15%
Voting Age	69,229	36,341	8,135	4,468
		52.49%	11.75%	6.45%
County: Gwinnett GA				
Total:	672,579	179,941	228,255	175,237
		26.75%	33.94%	26.05%
Voting Age	497,705	149,497	160,936	116,136
		30.04%	32.34%	23.33%
District 007 Total				
Total:	765,137	225,905	239,717	181,851
		29.52%	31.33%	23.77%
Voting Age	566,934	185,838	169,071	120,604
		32.78%	29.82%	21.27%
District 008				
County: Atkinson GA				
Total:	8,286	4,801	1,284	2,048
		57.94%	15.50%	24.72%
Voting Age	6,129	3,787	937	1,282
		61.79%	15.29%	20.92%
County: Baldwin GA				
Total:	43,799	22,432	18,985	1,139
		51.22%	43.35%	2.60%
Voting Age	35,732	19,377	14,515	835
		54.23%	40.62%	2.34%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 008				
County: Ben Hill GA				
Total:	17,194	9,219	6,537	1,054
		53.62%	38.02%	6.13%
Voting Age	13,165	7,459	4,745	653
		56.66%	36.04%	4.96%
County: Berrien GA				
Total:	18,160	14,396	2,198	1,045
		79.27%	12.10%	5.75%
Voting Age	13,690	11,181	1,499	622
		81.67%	10.95%	4.54%
County: Bibb GA				
Total:	48,975	27,390	16,668	1,919
		55.93%	34.03%	3.92%
Voting Age	38,413	22,858	11,900	1,383
		59.51%	30.98%	3.60%
County: Bleckley GA				
Total:	12,583	8,867	2,951	469
		70.47%	23.45%	3.73%
Voting Age	9,613	7,032	2,036	311
		73.15%	21.18%	3.24%
County: Brooks GA				
Total:	16,301	9,066	5,958	955
		55.62%	36.55%	5.86%
Voting Age	12,747	7,483	4,357	635
		58.70%	34.18%	4.98%
County: Clinch GA				
Total:	6,749	4,256	2,096	253
		63.06%	31.06%	3.75%
Voting Age	5,034	3,372	1,406	156
		66.98%	27.93%	3.10%
County: Coffee GA				
Total:	43,092	24,158	12,575	5,430
		56.06%	29.18%	12.60%
Voting Age	32,419	19,146	9,191	3,324
		59.06%	28.35%	10.25%
County: Colquitt GA				
Total:	45,898	25,588	10,648	8,709
		55.75%	23.20%	18.97%
Voting Age	34,193	20,507	7,461	5,467
		59.97%	21.82%	15.99%
County: Cook GA				
Total:	17,229	10,658	5,014	1,134
		61.86%	29.10%	6.58%
Voting Age	12,938	8,310	3,595	704
		64.23%	27.79%	5.44%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 008				
County: Crisp GA				
Total:	20,128	9,892	9,194	634
		49.15%	45.68%	3.15%
Voting Age	15,570	8,248	6,603	414
		52.97%	42.41%	2.66%
County: Dodge GA				
Total:	19,925	12,865	6,148	620
		64.57%	30.86%	3.11%
Voting Age	15,709	10,360	4,725	406
		65.95%	30.08%	2.58%
County: Echols GA				
Total:	3,697	2,328	193	1,091
		62.97%	5.22%	29.51%
Voting Age	2,709	1,856	121	667
		68.51%	4.47%	24.62%
County: Houston GA				
Total:	115,112	66,836	33,883	7,144
		58.06%	29.43%	6.21%
Voting Age	85,885	51,966	23,948	4,542
		60.51%	27.88%	5.29%
County: Irwin GA				
Total:	9,666	6,402	2,333	663
		66.23%	24.14%	6.86%
Voting Age	7,547	5,047	1,720	545
		66.87%	22.79%	7.22%
County: Jeff Davis GA				
Total:	14,779	9,950	2,493	2,047
		67.33%	16.87%	13.85%
Voting Age	10,856	7,643	1,752	1,233
		70.40%	16.14%	11.36%
County: Jones GA				
Total:	28,347	20,074	7,114	476
		70.82%	25.10%	1.68%
Voting Age	21,575	15,428	5,341	302
		71.51%	24.76%	1.40%
County: Lanier GA				
Total:	9,877	6,595	2,369	572
		66.77%	23.99%	5.79%
Voting Age	7,326	5,010	1,683	370
		68.39%	22.97%	5.05%
County: Lowndes GA				
Total:	118,251	59,306	46,758	7,872
		50.15%	39.54%	6.66%
Voting Age	89,031	47,140	33,302	5,201
		52.95%	37.40%	5.84%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 008				
County: Monroe GA				
Total:	27,957	19,954	6,444	714
		71.37%	23.05%	2.55%
Voting Age	21,913	15,771	5,068	464
		71.97%	23.13%	2.12%
County: Pulaski GA				
Total:	9,855	6,022	3,250	327
		61.11%	32.98%	3.32%
Voting Age	8,012	5,027	2,564	224
		62.74%	32.00%	2.80%
County: Telfair GA				
Total:	12,477	5,970	4,754	1,928
		47.85%	38.10%	15.45%
Voting Age	10,190	4,802	3,806	1,757
		47.12%	37.35%	17.24%
County: Tift GA				
Total:	41,344	22,189	12,734	5,219
		53.67%	30.80%	12.62%
Voting Age	31,224	18,011	8,963	3,295
		57.68%	28.71%	10.55%
County: Turner GA				
Total:	9,006	4,700	3,813	372
		52.19%	42.34%	4.13%
Voting Age	6,960	3,891	2,752	256
		55.91%	39.54%	3.68%
County: Twiggs GA				
Total:	8,022	4,487	3,226	124
		55.93%	40.21%	1.55%
Voting Age	6,589	3,733	2,627	79
		56.66%	39.87%	1.20%
County: Wilcox GA				
Total:	8,766	5,185	3,161	272
		59.15%	36.06%	3.10%
Voting Age	7,218	4,215	2,693	209
		58.40%	37.31%	2.90%
County: Wilkinson GA				
Total:	8,877	5,110	3,330	239
		57.56%	37.51%	2.69%
Voting Age	7,026	4,165	2,549	152
		59.28%	36.28%	2.16%
County: Worth GA				
Total:	20,784	14,427	5,517	381
		69.41%	26.54%	1.83%
Voting Age	16,444	11,747	4,108	244
		71.44%	24.98%	1.48%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 008				
District 008 Total				
Total:	765,136	443,123	241,628	54,850
		57.91%	31.58%	7.17%
Voting Age	585,857	354,572	175,967	35,732
		60.52%	30.04%	6.10%
District 009				
County: Forsyth GA				
Total:	251,283	159,407	13,222	25,226
		63.44%	5.26%	10.04%
Voting Age	181,193	122,017	8,751	16,204
		67.34%	4.83%	8.94%
County: Gwinnett GA				
Total:	284,483	130,642	59,432	45,223
		45.92%	20.89%	15.90%
Voting Age	211,779	102,544	41,826	30,523
		48.42%	19.75%	14.41%
County: Hall GA				
Total:	153,463	80,227	15,257	51,232
		52.28%	9.94%	33.38%
Voting Age	114,821	66,144	10,945	32,465
		57.61%	9.53%	28.27%
County: Jackson GA				
Total:	75,907	59,064	6,148	6,712
		77.81%	8.10%	8.84%
Voting Age	56,451	45,015	4,268	4,261
		79.74%	7.56%	7.55%
District 009 Total				
Total:	765,136	429,340	94,059	128,393
		56.11%	12.29%	16.78%
Voting Age	564,244	335,720	65,790	83,453
		59.50%	11.66%	14.79%
District 010				
County: Banks GA				
Total:	18,035	15,578	589	1,164
		86.38%	3.27%	6.45%
Voting Age	13,900	12,278	365	721
		88.33%	2.63%	5.19%
County: Barrow GA				
Total:	83,505	55,582	11,907	10,560
		66.56%	14.26%	12.65%
Voting Age	62,195	43,241	8,222	6,726
		69.52%	13.22%	10.81%
County: Clarke GA				
Total:	128,671	72,201	33,672	14,336
		56.11%	26.17%	11.14%
Voting Age	106,830	64,531	24,776	10,213
		60.41%	23.19%	9.56%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 010				
County: Elbert GA				
Total:	19,637	12,610	5,520	996
		64.22%	28.11%	5.07%
Voting Age	15,493	10,322	4,122	660
		66.62%	26.61%	4.26%
County: Franklin GA				
Total:	23,424	19,262	2,207	1,121
		82.23%	9.42%	4.79%
Voting Age	18,307	15,466	1,523	678
		84.48%	8.32%	3.70%
County: Greene GA				
Total:	18,915	11,126	6,027	1,289
		58.82%	31.86%	6.81%
Voting Age	15,358	9,675	4,470	826
		63.00%	29.11%	5.38%
County: Habersham GA				
Total:	46,031	34,694	2,165	6,880
		75.37%	4.70%	14.95%
Voting Age	35,878	28,299	1,675	4,115
		78.88%	4.67%	11.47%
County: Hall GA				
Total:	49,673	40,191	1,749	5,778
		80.91%	3.52%	11.63%
Voting Age	39,023	32,656	1,149	3,681
		83.68%	2.94%	9.43%
County: Hancock GA				
Total:	8,735	2,413	6,131	63
		27.62%	70.19%	0.72%
Voting Age	7,487	2,220	5,108	47
		29.65%	68.22%	0.63%
County: Hart GA				
Total:	25,828	19,250	4,732	931
		74.53%	18.32%	3.60%
Voting Age	20,436	15,761	3,447	578
		77.12%	16.87%	2.83%
County: Lumpkin GA				
Total:	29,598	25,718	643	1,654
		86.89%	2.17%	5.59%
Voting Age	24,614	21,601	482	1,247
		87.76%	1.96%	5.07%
County: Madison GA				
Total:	30,120	23,549	3,196	1,956
		78.18%	10.61%	6.49%
Voting Age	23,112	18,643	2,225	1,198
		80.66%	9.63%	5.18%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 010				
County: Morgan GA				
Total:	20,097	14,487	4,339	712
		72.09%	21.59%	3.54%
Voting Age	15,574	11,452	3,280	434
		73.53%	21.06%	2.79%
County: Oconee GA				
Total:	41,799	33,886	2,280	2,347
		81.07%	5.45%	5.61%
Voting Age	30,221	24,942	1,660	1,405
		82.53%	5.49%	4.65%
County: Oglethorpe GA				
Total:	14,825	10,903	2,468	869
		73.54%	16.65%	5.86%
Voting Age	11,639	8,799	1,853	531
		75.60%	15.92%	4.56%
County: Putnam GA				
Total:	22,047	14,316	5,701	1,557
		64.93%	25.86%	7.06%
Voting Age	17,847	12,209	4,229	1,031
		68.41%	23.70%	5.78%
County: Rabun GA				
Total:	16,883	14,625	210	1,452
		86.63%	1.24%	8.60%
Voting Age	13,767	12,236	129	928
		88.88%	0.94%	6.74%
County: Stephens GA				
Total:	26,784	21,323	3,527	857
		79.61%	13.17%	3.20%
Voting Age	21,163	17,310	2,467	578
		81.79%	11.66%	2.73%
County: Taliaferro GA				
Total:	1,559	591	876	69
		37.91%	56.19%	4.43%
Voting Age	1,289	506	722	46
		39.26%	56.01%	3.57%
County: Towns GA				
Total:	12,493	11,469	168	415
		91.80%	1.34%	3.32%
Voting Age	10,923	10,100	137	338
		92.47%	1.25%	3.09%
County: Walton GA				
Total:	96,673	68,499	18,804	5,228
		70.86%	19.45%	5.41%
Voting Age	73,098	53,647	13,165	3,236
		73.39%	18.01%	4.43%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 010				
County: White GA				
Total:	28,003	24,959	721	913
		89.13%	2.57%	3.26%
Voting Age	22,482	20,318	484	605
		90.37%	2.15%	2.69%
County: Wilkes GA				
Total:	1,802	1,080	567	97
		59.93%	31.47%	5.38%
Voting Age	1,491	897	488	54
		60.16%	32.73%	3.62%
District 010 Total				
Total:	765,137	548,312	118,199	61,244
		71.66%	15.45%	8.00%
Voting Age	602,127	447,109	86,178	39,876
		74.25%	14.31%	6.62%
District 011				
County: Bartow GA				
Total:	108,901	80,159	13,395	10,751
		73.61%	12.30%	9.87%
Voting Age	83,570	63,759	9,377	6,817
		76.29%	11.22%	8.16%
County: Cherokee GA				
Total:	122,400	86,657	12,310	15,362
		70.80%	10.06%	12.55%
Voting Age	93,948	69,068	8,613	10,317
		73.52%	9.17%	10.98%
County: Cobb GA				
Total:	288,342	184,822	44,985	26,567
		64.10%	15.60%	9.21%
Voting Age	221,105	147,458	32,578	18,077
		66.69%	14.73%	8.18%
County: Fulton GA				
Total:	245,494	140,483	39,678	28,786
		57.22%	16.16%	11.73%
Voting Age	190,172	113,635	29,939	19,957
		59.75%	15.74%	10.49%
District 011 Total				
Total:	765,137	492,121	110,368	81,466
		64.32%	14.42%	10.65%
Voting Age	588,795	393,920	80,507	55,168
		66.90%	13.67%	9.37%
District 012				
County: Bulloch GA				
Total:	81,099	49,712	24,375	4,180
		61.30%	30.06%	5.15%
Voting Age	64,494	41,041	18,220	3,021
		63.64%	28.25%	4.68%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 012				
County: Burke GA				
Total:	24,596	11,941	11,430	777
		48.55%	46.47%	3.16%
Voting Age	18,778	9,566	8,362	494
		50.94%	44.53%	2.63%
County: Candler GA				
Total:	10,981	6,567	2,807	1,378
		59.80%	25.56%	12.55%
Voting Age	8,241	5,229	2,009	835
		63.45%	24.38%	10.13%
County: Columbia GA				
Total:	156,010	99,111	32,516	11,858
		63.53%	20.84%	7.60%
Voting Age	114,823	76,070	22,273	7,355
		66.25%	19.40%	6.41%
County: Effingham GA				
Total:	17,561	12,955	3,383	617
		73.77%	19.26%	3.51%
Voting Age	13,023	9,788	2,457	354
		75.16%	18.87%	2.72%
County: Emanuel GA				
Total:	22,768	13,815	7,556	993
		60.68%	33.19%	4.36%
Voting Age	17,320	11,013	5,404	589
		63.59%	31.20%	3.40%
County: Evans GA				
Total:	10,774	6,038	3,273	1,237
		56.04%	30.38%	11.48%
Voting Age	8,127	4,826	2,410	731
		59.38%	29.65%	8.99%
County: Glascock GA				
Total:	2,884	2,573	226	52
		89.22%	7.84%	1.80%
Voting Age	2,236	2,003	167	31
		89.58%	7.47%	1.39%
County: Jefferson GA				
Total:	15,709	6,834	8,208	462
		43.50%	52.25%	2.94%
Voting Age	12,301	5,536	6,324	280
		45.00%	51.41%	2.28%
County: Jenkins GA				
Total:	8,674	4,611	3,638	303
		53.16%	41.94%	3.49%
Voting Age	7,005	3,874	2,843	194
		55.30%	40.59%	2.77%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 012				
County: Johnson GA				
Total:	9,189	5,800	3,124	117
		63.12%	34.00%	1.27%
Voting Age	7,474	4,790	2,513	82
		64.09%	33.62%	1.10%
County: Laurens GA				
Total:	49,570	27,881	19,132	1,424
		56.25%	38.60%	2.87%
Voting Age	37,734	22,229	13,695	923
		58.91%	36.29%	2.45%
County: Lincoln GA				
Total:	7,690	5,196	2,212	92
		67.57%	28.76%	1.20%
Voting Age	6,270	4,316	1,728	54
		68.84%	27.56%	0.86%
County: McDuffie GA				
Total:	21,632	11,417	9,045	790
		52.78%	41.81%	3.65%
Voting Age	16,615	9,359	6,425	536
		56.33%	38.67%	3.23%
County: Montgomery GA				
Total:	8,610	5,665	2,224	571
		65.80%	25.83%	6.63%
Voting Age	6,792	4,527	1,781	377
		66.65%	26.22%	5.55%
County: Richmond GA				
Total:	206,607	68,397	119,970	11,449
		33.10%	58.07%	5.54%
Voting Age	160,899	58,403	87,930	8,445
		36.30%	54.65%	5.25%
County: Screven GA				
Total:	14,067	8,018	5,527	287
		57.00%	39.29%	2.04%
Voting Age	10,893	6,387	4,144	188
		58.63%	38.04%	1.73%
County: Tattnall GA				
Total:	22,842	13,825	6,331	2,303
		60.52%	27.72%	10.08%
Voting Age	17,654	11,020	4,886	1,419
		62.42%	27.68%	8.04%
County: Toombs GA				
Total:	27,030	16,007	7,402	3,044
		59.22%	27.38%	11.26%
Voting Age	20,261	12,810	5,036	1,978
		63.22%	24.86%	9.76%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 012				
County: Treutlen GA				
Total:	6,406	4,065	2,114	170
		63.46%	33.00%	2.65%
Voting Age	4,934	3,272	1,514	98
		66.32%	30.69%	1.99%
County: Warren GA				
Total:	5,215	1,974	3,128	53
		37.85%	59.98%	1.02%
Voting Age	4,159	1,716	2,360	46
		41.26%	56.74%	1.11%
County: Washington GA				
Total:	19,988	8,412	10,969	334
		42.09%	54.88%	1.67%
Voting Age	15,709	6,944	8,333	235
		44.20%	53.05%	1.50%
County: Wheeler GA				
Total:	7,471	4,157	2,949	272
		55.64%	39.47%	3.64%
Voting Age	6,217	3,418	2,561	174
		54.98%	41.19%	2.80%
County: Wilkes GA				
Total:	7,763	3,872	3,422	302
		49.88%	44.08%	3.89%
Voting Age	6,160	3,257	2,583	189
		52.87%	41.93%	3.07%
District 012 Total				
Total:	765,136	398,843	294,961	43,065
		52.13%	38.55%	5.63%
Voting Age	588,119	321,394	215,958	28,628
		54.65%	36.72%	4.87%
District 013				
County: Butts GA				
Total:	25,434	16,628	7,212	803
		65.38%	28.36%	3.16%
Voting Age	20,360	13,510	5,660	559
		66.36%	27.80%	2.75%
County: Clayton GA				
Total:	259,676	23,324	188,757	36,049
		8.98%	72.69%	13.88%
Voting Age	192,693	21,052	138,553	23,193
		10.93%	71.90%	12.04%
County: Fayette GA				
Total:	115,051	66,035	31,078	8,589
		57.40%	27.01%	7.47%
Voting Age	88,798	53,402	23,076	5,625
		60.14%	25.99%	6.33%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 013				
County: Henry GA				
Total:	240,712	86,297	125,211	18,437
		35.85%	52.02%	7.66%
Voting Age	179,973	69,744	89,657	12,030
		38.75%	49.82%	6.68%
County: Jasper GA				
Total:	14,588	10,771	2,676	684
		73.83%	18.34%	4.69%
Voting Age	11,118	8,400	1,966	402
		75.55%	17.68%	3.62%
County: Newton GA				
Total:	42,368	12,975	25,507	3,149
		30.62%	60.20%	7.43%
Voting Age	31,272	10,434	18,246	1,964
		33.37%	58.35%	6.28%
County: Spalding GA				
Total:	67,306	37,105	24,522	3,666
		55.13%	36.43%	5.45%
Voting Age	52,123	30,612	17,511	2,377
		58.73%	33.60%	4.56%
District 013 Total				
Total:	765,135	253,135	404,963	71,377
		33.08%	52.93%	9.33%
Voting Age	576,337	207,154	294,669	46,150
		35.94%	51.13%	8.01%
District 014				
County: Catoosa GA				
Total:	67,872	59,280	2,642	2,341
		87.34%	3.89%	3.45%
Voting Age	52,448	46,578	1,684	1,492
		88.81%	3.21%	2.84%
County: Chattooga GA				
Total:	24,965	20,079	2,865	1,297
		80.43%	11.48%	5.20%
Voting Age	19,416	15,885	2,235	733
		81.81%	11.51%	3.78%
County: Cherokee GA				
Total:	144,220	111,210	9,377	16,749
		77.11%	6.50%	11.61%
Voting Age	108,980	87,087	6,363	10,598
		79.91%	5.84%	9.72%
County: Dade GA				
Total:	16,251	14,786	228	364
		90.99%	1.40%	2.24%
Voting Age	12,987	11,925	140	243
		91.82%	1.08%	1.87%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 014				
County: Dawson GA				
Total:	26,798	23,544	392	1,605
		87.86%	1.46%	5.99%
Voting Age	21,441	19,183	249	1,047
		89.47%	1.16%	4.88%
County: Fannin GA				
Total:	25,319	23,351	199	753
		92.23%	0.79%	2.97%
Voting Age	21,188	19,721	133	505
		93.08%	0.63%	2.38%
County: Floyd GA				
Total:	98,584	67,747	15,606	11,466
		68.72%	15.83%	11.63%
Voting Age	76,295	55,088	11,064	7,167
		72.20%	14.50%	9.39%
County: Gilmer GA				
Total:	31,353	26,365	296	3,599
		84.09%	0.94%	11.48%
Voting Age	25,417	22,187	161	2,158
		87.29%	0.63%	8.49%
County: Gordon GA				
Total:	57,544	43,317	2,919	8,957
		75.28%	5.07%	15.57%
Voting Age	43,500	34,084	1,939	5,592
		78.35%	4.46%	12.86%
County: Lumpkin GA				
Total:	3,890	3,523	42	136
		90.57%	1.08%	3.50%
Voting Age	3,075	2,818	25	98
		91.64%	0.81%	3.19%
County: Murray GA				
Total:	39,973	32,164	556	5,914
		80.46%	1.39%	14.79%
Voting Age	30,210	25,146	321	3,696
		83.24%	1.06%	12.23%
County: Pickens GA				
Total:	33,216	30,122	512	1,198
		90.69%	1.54%	3.61%
Voting Age	26,799	24,626	319	755
		91.89%	1.19%	2.82%
County: Union GA				
Total:	24,632	22,646	228	816
		91.94%	0.93%	3.31%
Voting Age	20,808	19,351	147	563
		93.00%	0.71%	2.71%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 014				
County: Walker GA				
Total:	67,654	59,654	3,664	1,685
		88.18%	5.42%	2.49%
Voting Age	52,794	47,292	2,454	1,066
		89.58%	4.65%	2.02%
County: Whitfield GA				
Total:	102,864	57,875	4,919	36,916
		56.26%	4.78%	35.89%
Voting Age	76,262	46,881	3,349	23,553
		61.47%	4.39%	30.88%
District 014 Total				
Total:	765,135	595,663	44,445	93,796
		77.85%	5.81%	12.26%
Voting Age	591,620	477,852	30,583	59,266
		80.77%	5.17%	10.02%

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MORGAN
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Stockbridge
MCDUFFIE
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Peachtree City
McDonough
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Eatonton
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Anderson
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Evergreen Hills
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Monroe
Greenwood
Columbia
Sumter
Florence
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Oxford
Peachtree City
Alexander City
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Dublin
Statesboro
Vidalia
Americus
Eufaula
Troy
Albany
Ozark
Enterprise
Dothan
Moultrie
Douglas
Waycross
Brunswick
Valdosta
Tallahassee
JACKSONVILLE
Jacksonville Beach
Saint Marys
Savannah
Hilton Head Island
Beaufort
Goose Creek
North Charleston
Charleston
Crestview
DADE
WHITFIELD
WALKER
FANNIN
RABUN
GILMER
LUMPKIN
HABERSHAM
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EVANS
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STEWART
SUMTER
WILCOX
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BRYAN
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APPLING
LIBERTY
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CALHOUN
IRWIN
COFFEE
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THOMAS
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DECLARATION OF WILLIAM S. COOPER:
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Population Summary Report

Georgia U.S. House -- 2020 Census -- Enacted Plan

District	Population	Deviation	% Deviation	AP Black	% AP Black	Latino	% Latino	NH White	% NH White
001	765137	1	0.00%	230783	30.16%	59328	7.75%	440636	57.59%
002	765137	1	0.00%	393195	51.39%	45499	5.95%	305611	39.94%
003	765136	0	0.00%	188947	24.69%	48285	6.31%	492494	64.37%
004	765135	-1	0.00%	423763	55.38%	88947	11.63%	197536	25.82%
005	765137	1	0.00%	392822	51.34%	56496	7.38%	273819	35.79%
006	765136	0	0.00%	78871	10.31%	78299	10.23%	487400	63.70%
007	765137	1	0.00%	239717	31.33%	181851	23.77%	225905	29.52%
008	765136	0	0.00%	241628	31.58%	54850	7.17%	443123	57.91%
009	765137	1	0.00%	87130	11.39%	117758	15.39%	495078	64.70%
010	765135	-1	0.00%	184137	24.07%	58645	7.66%	486487	63.58%
011	765137	1	0.00%	143404	18.74%	99794	13.04%	469264	61.33%
012	765136	0	0.00%	294961	38.55%	43065	5.63%	398843	52.13%
013	765137	1	0.00%	520094	67.97%	93554	12.23%	125106	16.35%
014	765135	-1	0.00%	118694	15.51%	97086	12.69%	520854	68.07%
Total	**10711908**		**0.00%**	**3538146**	**33.03%**	**1123457**	**10.49%**	**5362156**	**50.06%**

District	18+ Pop	18+ SR Black	% 18+ SR Black	18+ AP Black	% 18+ AP Black	18+ Latino	% 18+ Latino	18+ NH White	% 18+ NH White
001	589266	157770	26.77%	166025	28.17%	39938	6.78%	440636	57.59%
002	587555	281564	47.92%	289612	49.29%	30074	5.12%	305611	39.94%
003	586319	130099	22.19%	136708	23.32%	31274	5.33%	492494	64.37%
004	589470	308266	52.30%	321379	54.52%	59670	10.12%	197536	25.82%
005	621515	295885	47.61%	308271	49.60%	41432	6.67%	273819	35.79%
006	574797	50334	8.76%	56969	9.91%	52353	9.11%	487400	63.70%
007	566934	157650	27.81%	169071	29.82%	120604	21.27%	225905	29.52%
008	585857	170421	29.09%	175967	30.04%	35732	6.10%	443123	57.91%
009	592520	56416	9.52%	61747	10.42%	76361	12.89%	495078	64.70%
010	588874	126798	21.53%	133097	22.60%	38336	6.51%	486487	63.58%
011	595201	98212	16.50%	106811	17.95%	66802	11.22%	469264	61.33%
012	588119	207872	35.35%	215958	36.72%	28628	4.87%	398843	52.13%
013	574789	370024	64.38%	383663	66.75%	60467	10.52%	125106	16.35%
014	579058	77108	13.32%	82708	14.28%	61247	10.58%	520854	68.07%
Total	**8220274**	**2488419**	**30.27%**	**2607986**	**31.73%**	**742918**	**9.04%**	**5362156**	**65.23%**

District	% NH Single-Race Black CVAP*	% NH DOJ Black CVAP**	% Latino CVAP	% SR NH White CVAP
001	29.16%	29.67%	4.49%	63.10%
002	49.55%	50.001%	3.17%	44.62%
003	22.53%	22.86%	3.38%	71.12%
004	57.71%	58.46%	3.98%	32.82%
005	51.64%	52.35%	3.48%	39.75%
006	9.72%	10.26%	5.63%	76.60%
007	31.88%	32.44%	11.20%	43.69%
008	30.46%	30.76%	3.79%	63.40%
009	10.03%	10.34%	7.35%	77.37%
010	22.11%	22.56%	4.06%	70.80%
011	17.57%	18.30%	6.28%	71.12%
012	36.60%	37.19%	3.39%	56.94%
013	66.36%	67.05%	5.80%	23.21%
014	13.19%	13.71%	6.20%	78.21%

CVAP Source:
* 2016-20 ACS Special Tabulation https://redi https://redistrictingdatahub.org/dataset/georgia-cvap-data-disaggregated-to-the-block-level-2020/
Note: Citizen Voting Age Population (CVAP) percentages are disaggreagated from block-gorup level ACS estimates
* Single race NH Black CVAP, **NH DOJ Black= SR NH Black CVAP+SR NH Black/White CVAP

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT K-2

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Hilton Head Island
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EVANS
BRYAN
Savannah
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Georgetown
Tybee Island
TELFAIR
LIBERTY
Hinesville
Hazlehurst
JEFF DAVIS
Baxley
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IRWIN
Jesup
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BROOKS
LOWNDES
Dadeville
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Valley
Manchester
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Warner Robins
Dublin
Soperton
Auburn
Tallassee
Tuskegee
Columbus
Butler
Cochran
Hawkinsville
Eastman
Union Springs
Richland
Americus
Montezuma
Cordele
Hazlehurst
Troy
Brundidge
Clio
Cuthbert
Dawson
Leesburg
Ashburn
Abbeville
Albany
Sylvester
Tifton
Douglas
Ozark
Elba
Putney
Blakely
Headland
Enterprise
Dothan
Camilla
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Jackson
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Snellville
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Druid Hills
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Belvedere Park
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Candler-McAfee
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Lakeview Estates
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College Park
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Social Circle
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Austell
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Candler-McAfee
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Hapeville
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Sugar Hill
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Richland
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Georgetown
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QUITMAN
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Cuthbert
TERRELL
Leesburg
TURNER
Fitzgerald
Baxley
APPLING
LIBERTY
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CLAY
Abbeville
CALHOUN
DOUGHERTY
Putney
Sylvester
IRWIN
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Tifton
COFFEE
Douglas
BACON
WAYNE
Jesup
MCINTOSH
WORTH
Blakely
Headland
EARLY
BAKER
PIERCE
Blackshear
ATKINSON
BERRIEN
Nashville
GLYNN
Dothan
Camilla
Waycross
BRANTLEY
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Suwanee
Kennesaw
Roswell
Johns Creek
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Lawrenceville
Winder
BARROW
OCONEE
Athens
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OGLETHORPE
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Williston
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Swainsboro
PEACH
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TREUTLEN
Soperton
CANDLER
Statesboro
BULLOCH
EFFINGHAM
Laurel Bay
Beaufort
Rincon
Hawkinsville
PULASKI
Eastman
Vidalia
MONTGOMERY
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WHEELER
TOOMBS
EVANS
Hilton Head Island
Savannah
BRYAN
CHATHAM
Cordele
WILCOX
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Vinings
Doraville
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North Druid Hills
Clarkston
Stone Mountain
Pine Lake
Scottdale
North Decatur
Druid Hills
Decatur
Avondale Estates
Belvedere Park
Atlanta
Redan
Candler-McAfee
Panthersville
Lithonia
Lakeview Estates
Conyers
Douglasville
Villa Rica
East Point
Hapeville
College Park
Conley
Forest Park
Lake City
Morrow
Riverdale
Union City
Fairburn
Palmetto
Whitesburg
Stockbridge
Jonesboro
Tyrone
Fayetteville
Bonanza
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McDonough
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POLK
HARALSON
PAULDING
COBB
FULTON
GWINNETT
Bridgeport
Fairview
Dalton
Chatsworth
Scottsboro
Henagar
Rainsville
Fort Payne
Summerville
Calhoun
Rome
Lindale
Cedar Bluff
Centre
Cartersville
Canton
Cumming
Alpharetta
Roswell
Johns Creek
Duluth
Kennesaw
Marietta
Sandy Springs
Smyrna
Mableton
Lithia Springs
Dallas
Cedartown
Gadsden
Rainbow City
Southside
Piedmont
Jacksonville
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DECLARATION OF WILLIAM S. COOPER:
EXHIBIT K-3

User:
Plan Name: **_Enacted_2021_Plan**
Plan Type:

Plan Components with Population Detail

Tuesday, November 22, 2022 4:32 PM

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 1				
County: Appling GA				
Total:	18,444	12,674	3,647	1,825
		68.72%	19.77%	9.89%
Voting Age	13,958	10,048	2,540	1,118
		71.99%	18.20%	8.01%
County: Bacon GA				
Total:	11,140	8,103	1,970	875
		72.74%	17.68%	7.85%
Voting Age	8,310	6,374	1,245	547
		76.70%	14.98%	6.58%
County: Brantley GA				
Total:	18,021	16,317	733	326
		90.54%	4.07%	1.81%
Voting Age	13,692	12,522	470	212
		91.45%	3.43%	1.55%
County: Bryan GA				
Total:	44,738	31,321	7,463	3,269
		70.01%	16.68%	7.31%
Voting Age	31,828	23,033	5,025	1,919
		72.37%	15.79%	6.03%
County: Camden GA				
Total:	54,768	37,203	11,072	3,658
		67.93%	20.22%	6.68%
Voting Age	41,808	29,410	7,828	2,457
		70.35%	18.72%	5.88%
County: Charlton GA				
Total:	12,518	7,532	2,798	2,036
		60.17%	22.35%	16.26%
Voting Age	10,135	5,929	2,147	1,971
		58.50%	21.18%	19.45%
County: Chatham GA				
Total:	295,291	139,433	115,458	23,790
		47.22%	39.10%	8.06%
Voting Age	234,715	119,161	85,178	16,551
		50.77%	36.29%	7.05%
County: Effingham GA				
Total:	47,208	35,249	6,652	2,875
		74.67%	14.09%	6.09%
Voting Age	34,272	26,449	4,374	1,700
		77.17%	12.76%	4.96%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 1				
County: Glynn GA				
Total:	84,499	52,987	22,098	6,336
		62.71%	26.15%	7.50%
Voting Age	66,468	44,302	15,620	4,116
		66.65%	23.50%	6.19%
County: Liberty GA				
Total:	65,256	24,004	31,146	7,786
		36.78%	47.73%	11.93%
Voting Age	48,014	19,065	21,700	5,231
		39.71%	45.20%	10.89%
County: Long GA				
Total:	16,168	8,774	4,734	1,979
		54.27%	29.28%	12.24%
Voting Age	11,234	6,422	3,107	1,227
		57.17%	27.66%	10.92%
County: McIntosh GA				
Total:	10,975	7,060	3,400	231
		64.33%	30.98%	2.10%
Voting Age	9,040	5,998	2,641	166
		66.35%	29.21%	1.84%
County: Pierce GA				
Total:	19,716	16,403	1,801	998
		83.20%	9.13%	5.06%
Voting Age	14,899	12,662	1,262	595
		84.99%	8.47%	3.99%
County: Ware GA				
Total:	36,251	22,275	11,421	1,612
		61.45%	31.51%	4.45%
Voting Age	27,788	17,818	8,226	1,012
		64.12%	29.60%	3.64%
County: Wayne GA				
Total:	30,144	21,301	6,390	1,732
		70.66%	21.20%	5.75%
Voting Age	23,105	16,754	4,662	1,116
		72.51%	20.18%	4.83%
District 1 Total				
Total:	765,137	440,636	230,783	59,328
		57.59%	30.16%	7.75%
Voting Age	589,266	355,947	166,025	39,938
		60.41%	28.17%	6.78%
District 2				
County: Baker GA				
Total:	2,876	1,514	1,178	143
		52.64%	40.96%	4.97%
Voting Age	2,275	1,235	932	77
		54.29%	40.97%	3.38%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 2				
County: Bibb GA				
Total:	108,371	29,397	72,197	4,818
		27.13%	66.62%	4.45%
Voting Age	82,489	25,121	52,370	3,351
		30.45%	63.49%	4.06%
County: Calhoun GA				
Total:	5,573	1,766	3,629	149
		31.69%	65.12%	2.67%
Voting Age	4,687	1,567	2,998	90
		33.43%	63.96%	1.92%
County: Chattahoochee GA				
Total:	9,565	5,403	1,825	1,610
		56.49%	19.08%	16.83%
Voting Age	7,199	4,212	1,287	1,160
		58.51%	17.88%	16.11%
County: Clay GA				
Total:	2,848	1,143	1,634	41
		40.13%	57.37%	1.44%
Voting Age	2,246	973	1,231	19
		43.32%	54.81%	0.85%
County: Crawford GA				
Total:	12,130	8,866	2,455	415
		73.09%	20.24%	3.42%
Voting Age	9,606	7,079	1,938	287
		73.69%	20.17%	2.99%
County: Decatur GA				
Total:	29,367	14,280	12,583	1,911
		48.63%	42.85%	6.51%
Voting Age	22,443	11,586	9,189	1,196
		51.62%	40.94%	5.33%
County: Dooly GA				
Total:	11,208	4,611	5,652	797
		41.14%	50.43%	7.11%
Voting Age	9,187	4,029	4,526	493
		43.86%	49.27%	5.37%
County: Dougherty GA				
Total:	85,790	20,631	61,457	2,413
		24.05%	71.64%	2.81%
Voting Age	66,266	17,909	45,631	1,591
		27.03%	68.86%	2.40%
County: Early GA				
Total:	10,854	4,813	5,688	186
		44.34%	52.40%	1.71%
Voting Age	8,315	3,985	4,075	113
		47.93%	49.01%	1.36%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 2				
County: Grady GA				
Total:	26,236	14,715	7,693	3,273
		56.09%	29.32%	12.48%
Voting Age	19,962	11,968	5,678	1,857
		59.95%	28.44%	9.30%
County: Houston GA				
Total:	48,521	19,375	22,637	4,663
		39.93%	46.65%	9.61%
Voting Age	36,233	16,052	15,657	2,988
		44.30%	43.21%	8.25%
County: Lee GA				
Total:	33,163	22,758	7,755	953
		68.62%	23.38%	2.87%
Voting Age	24,676	17,356	5,503	603
		70.34%	22.30%	2.44%
County: Macon GA				
Total:	12,082	4,078	7,296	472
		33.75%	60.39%	3.91%
Voting Age	9,938	3,379	6,021	322
		34.00%	60.59%	3.24%
County: Marion GA				
Total:	7,498	4,486	2,223	560
		59.83%	29.65%	7.47%
Voting Age	5,854	3,643	1,687	337
		62.23%	28.82%	5.76%
County: Miller GA				
Total:	6,000	3,949	1,831	136
		65.82%	30.52%	2.27%
Voting Age	4,749	3,239	1,358	92
		68.20%	28.60%	1.94%
County: Mitchell GA				
Total:	21,755	10,106	10,394	964
		46.45%	47.78%	4.43%
Voting Age	17,065	8,284	7,917	615
		48.54%	46.39%	3.60%
County: Muscogee GA				
Total:	175,155	58,991	95,521	13,791
		33.68%	54.54%	7.87%
Voting Age	132,158	48,043	69,548	9,099
		36.35%	52.62%	6.88%
County: Peach GA				
Total:	27,981	12,119	12,645	2,547
		43.31%	45.19%	9.10%
Voting Age	22,111	10,071	9,720	1,788
		45.55%	43.96%	8.09%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 2				
County: Quitman GA				
Total:	2,235	1,190	965	31
		53.24%	43.18%	1.39%
Voting Age	1,870	1,037	765	18
		55.45%	40.91%	0.96%
County: Randolph GA				
Total:	6,425	2,250	3,947	143
		35.02%	61.43%	2.23%
Voting Age	4,977	1,922	2,913	82
		38.62%	58.53%	1.65%
County: Schley GA				
Total:	4,547	3,357	933	175
		73.83%	20.52%	3.85%
Voting Age	3,328	2,520	644	103
		75.72%	19.35%	3.09%
County: Seminole GA				
Total:	9,147	5,617	3,093	228
		61.41%	33.81%	2.49%
Voting Age	7,277	4,681	2,275	160
		64.33%	31.26%	2.20%
County: Stewart GA				
Total:	5,314	1,338	2,538	1,217
		25.18%	47.76%	22.90%
Voting Age	4,617	1,161	2,048	1,196
		25.15%	44.36%	25.90%
County: Sumter GA				
Total:	29,616	11,528	15,546	1,770
		38.92%	52.49%	5.98%
Voting Age	23,036	9,800	11,479	1,147
		42.54%	49.83%	4.98%
County: Talbot GA				
Total:	5,733	2,427	3,145	112
		42.33%	54.86%	1.95%
Voting Age	4,783	2,129	2,537	56
		44.51%	53.04%	1.17%
County: Taylor GA				
Total:	7,816	4,584	2,946	168
		58.65%	37.69%	2.15%
Voting Age	6,120	3,686	2,235	107
		60.23%	36.52%	1.75%
County: Terrell GA				
Total:	9,185	3,189	5,707	177
		34.72%	62.13%	1.93%
Voting Age	7,204	2,709	4,274	121
		37.60%	59.33%	1.68%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 2				
County: Thomas GA				
Total:	45,798	25,994	16,975	1,577
		56.76%	37.06%	3.44%
Voting Age	35,037	20,740	12,332	970
		59.19%	35.20%	2.77%
County: Webster GA				
Total:	2,348	1,136	1,107	59
		48.38%	47.15%	2.51%
Voting Age	1,847	931	844	36
		50.41%	45.70%	1.95%
District 2 Total				
Total:	765,137	305,611	393,195	45,499
		39.94%	51.39%	5.95%
Voting Age	587,555	251,047	289,612	30,074
		42.73%	49.29%	5.12%
District 3				
County: Carroll GA				
Total:	119,148	80,725	24,618	9,586
		67.75%	20.66%	8.05%
Voting Age	90,996	63,803	17,827	6,129
		70.12%	19.59%	6.74%
County: Coweta GA				
Total:	146,158	99,421	28,289	11,053
		68.02%	19.36%	7.56%
Voting Age	111,155	78,073	20,196	7,384
		70.24%	18.17%	6.64%
County: Douglas GA				
Total:	42,970	23,414	13,641	4,200
		54.49%	31.75%	9.77%
Voting Age	32,601	18,942	9,682	2,674
		58.10%	29.70%	8.20%
County: Fayette GA				
Total:	102,685	63,073	22,742	8,065
		61.42%	22.15%	7.85%
Voting Age	78,539	50,575	16,446	5,270
		64.39%	20.94%	6.71%
County: Haralson GA				
Total:	29,919	26,825	1,541	497
		89.66%	5.15%	1.66%
Voting Age	22,854	20,617	1,106	323
		90.21%	4.84%	1.41%
County: Harris GA				
Total:	34,668	25,925	5,742	1,417
		74.78%	16.56%	4.09%
Voting Age	26,799	20,298	4,431	908
		75.74%	16.53%	3.39%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 3				
County: Heard GA				
Total:	11,412	9,589	1,142	253
		84.03%	10.01%	2.22%
Voting Age	8,698	7,407	832	153
		85.16%	9.57%	1.76%
County: Henry GA				
Total:	23,975	9,476	11,842	1,939
		39.52%	49.39%	8.09%
Voting Age	17,964	7,737	8,404	1,199
		43.07%	46.78%	6.67%
County: Lamar GA				
Total:	18,500	12,344	5,220	475
		66.72%	28.22%	2.57%
Voting Age	14,541	9,852	4,017	323
		67.75%	27.63%	2.22%
County: Meriwether GA				
Total:	20,613	12,084	7,547	475
		58.62%	36.61%	2.30%
Voting Age	16,526	9,994	5,845	299
		60.47%	35.37%	1.81%
County: Muscogee GA				
Total:	31,767	20,092	6,691	2,722
		63.25%	21.06%	8.57%
Voting Age	24,894	16,592	4,753	1,795
		66.65%	19.09%	7.21%
County: Pike GA				
Total:	18,889	16,313	1,613	348
		86.36%	8.54%	1.84%
Voting Age	14,337	12,422	1,254	207
		86.64%	8.75%	1.44%
County: Spalding GA				
Total:	67,306	37,105	24,522	3,666
		55.13%	36.43%	5.45%
Voting Age	52,123	30,612	17,511	2,377
		58.73%	33.60%	4.56%
County: Troup GA				
Total:	69,426	38,099	25,473	2,956
		54.88%	36.69%	4.26%
Voting Age	52,581	30,377	18,202	1,822
		57.77%	34.62%	3.47%
County: Upson GA				
Total:	27,700	18,009	8,324	633
		65.01%	30.05%	2.29%
Voting Age	21,711	14,548	6,202	411
		67.01%	28.57%	1.89%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 3				
District 3 Total				
Total:	765,136	492,494	188,947	48,285
		64.37%	24.69%	6.31%
Voting Age	586,319	391,849	136,708	31,274
		66.83%	23.32%	5.33%
District 4				
County: DeKalb GA				
Total:	601,451	153,733	322,421	74,201
		25.56%	53.61%	12.34%
Voting Age	465,661	129,178	247,548	50,261
		27.74%	53.16%	10.79%
County: Newton GA				
Total:	70,114	19,303	44,138	5,206
		27.53%	62.95%	7.43%
Voting Age	52,306	15,909	31,896	3,320
		30.42%	60.98%	6.35%
County: Rockdale GA				
Total:	93,570	24,500	57,204	9,540
		26.18%	61.13%	10.20%
Voting Age	71,503	21,457	41,935	6,089
		30.01%	58.65%	8.52%
District 4 Total				
Total:	765,135	197,536	423,763	88,947
		25.82%	55.38%	11.63%
Voting Age	589,470	166,544	321,379	59,670
		28.25%	54.52%	10.12%
District 5				
County: Clayton GA				
Total:	37,919	2,578	27,594	6,497
		6.80%	72.77%	17.13%
Voting Age	27,885	2,344	20,301	4,185
		8.41%	72.80%	15.01%
County: DeKalb GA				
Total:	162,931	62,162	85,030	7,270
		38.15%	52.19%	4.46%
Voting Age	129,615	50,983	66,682	5,245
		39.33%	51.45%	4.05%
County: Fulton GA				
Total:	564,287	209,079	280,198	42,729
		37.05%	49.66%	7.57%
Voting Age	464,015	182,325	221,288	32,002
		39.29%	47.69%	6.90%
District 5 Total				
Total:	765,137	273,819	392,822	56,496
		35.79%	51.34%	7.38%
Voting Age	621,515	235,652	308,271	41,432
		37.92%	49.60%	6.67%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 6				
County: Cherokee GA				
Total:	40,881	34,848	1,489	2,494
		85.24%	3.64%	6.10%
Voting Age	31,202	27,176	950	1,623
		87.10%	3.04%	5.20%
County: Cobb GA				
Total:	165,925	110,373	19,055	15,022
		66.52%	11.48%	9.05%
Voting Age	125,728	86,781	13,732	10,102
		69.02%	10.92%	8.03%
County: Dawson GA				
Total:	26,798	23,544	392	1,605
		87.86%	1.46%	5.99%
Voting Age	21,441	19,183	249	1,047
		89.47%	1.16%	4.88%
County: Forsyth GA				
Total:	251,283	159,407	13,222	25,226
		63.44%	5.26%	10.04%
Voting Age	181,193	122,017	8,751	16,204
		67.34%	4.83%	8.94%
County: Fulton GA				
Total:	245,494	140,483	39,678	28,786
		57.22%	16.16%	11.73%
Voting Age	190,172	113,635	29,939	19,957
		59.75%	15.74%	10.49%
County: Gwinnett GA				
Total:	34,755	18,745	5,035	5,166
		53.93%	14.49%	14.86%
Voting Age	25,061	14,179	3,348	3,420
		56.58%	13.36%	13.65%
District 6 Total				
Total:	765,136	487,400	78,871	78,299
		63.70%	10.31%	10.23%
Voting Age	574,797	382,971	56,969	52,353
		66.63%	9.91%	9.11%
District 7				
County: Fulton GA				
Total:	92,558	45,964	11,462	6,614
		49.66%	12.38%	7.15%
Voting Age	69,229	36,341	8,135	4,468
		52.49%	11.75%	6.45%
County: Gwinnett GA				
Total:	672,579	179,941	228,255	175,237
		26.75%	33.94%	26.05%
Voting Age	497,705	149,497	160,936	116,136
		30.04%	32.34%	23.33%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 7				
District 7 Total				
Total:	765,137	225,905	239,717	181,851
		29.52%	31.33%	23.77%
Voting Age	566,934	185,838	169,071	120,604
		32.78%	29.82%	21.27%
District 8				
County: Atkinson GA				
Total:	8,286	4,801	1,284	2,048
		57.94%	15.50%	24.72%
Voting Age	6,129	3,787	937	1,282
		61.79%	15.29%	20.92%
County: Baldwin GA				
Total:	43,799	22,432	18,985	1,139
		51.22%	43.35%	2.60%
Voting Age	35,732	19,377	14,515	835
		54.23%	40.62%	2.34%
County: Ben Hill GA				
Total:	17,194	9,219	6,537	1,054
		53.62%	38.02%	6.13%
Voting Age	13,165	7,459	4,745	653
		56.66%	36.04%	4.96%
County: Berrien GA				
Total:	18,160	14,396	2,198	1,045
		79.27%	12.10%	5.75%
Voting Age	13,690	11,181	1,499	622
		81.67%	10.95%	4.54%
County: Bibb GA				
Total:	48,975	27,390	16,668	1,919
		55.93%	34.03%	3.92%
Voting Age	38,413	22,858	11,900	1,383
		59.51%	30.98%	3.60%
County: Bleckley GA				
Total:	12,583	8,867	2,951	469
		70.47%	23.45%	3.73%
Voting Age	9,613	7,032	2,036	311
		73.15%	21.18%	3.24%
County: Brooks GA				
Total:	16,301	9,066	5,958	955
		55.62%	36.55%	5.86%
Voting Age	12,747	7,483	4,357	635
		58.70%	34.18%	4.98%
County: Clinch GA				
Total:	6,749	4,256	2,096	253
		63.06%	31.06%	3.75%
Voting Age	5,034	3,372	1,406	156
		66.98%	27.93%	3.10%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 8				
County: Coffee GA				
Total:	43,092	24,158	12,575	5,430
		56.06%	29.18%	12.60%
Voting Age	32,419	19,146	9,191	3,324
		59.06%	28.35%	10.25%
County: Colquitt GA				
Total:	45,898	25,588	10,648	8,709
		55.75%	23.20%	18.97%
Voting Age	34,193	20,507	7,461	5,467
		59.97%	21.82%	15.99%
County: Cook GA				
Total:	17,229	10,658	5,014	1,134
		61.86%	29.10%	6.58%
Voting Age	12,938	8,310	3,595	704
		64.23%	27.79%	5.44%
County: Crisp GA				
Total:	20,128	9,892	9,194	634
		49.15%	45.68%	3.15%
Voting Age	15,570	8,248	6,603	414
		52.97%	42.41%	2.66%
County: Dodge GA				
Total:	19,925	12,865	6,148	620
		64.57%	30.86%	3.11%
Voting Age	15,709	10,360	4,725	406
		65.95%	30.08%	2.58%
County: Echols GA				
Total:	3,697	2,328	193	1,091
		62.97%	5.22%	29.51%
Voting Age	2,709	1,856	121	667
		68.51%	4.47%	24.62%
County: Houston GA				
Total:	115,112	66,836	33,883	7,144
		58.06%	29.43%	6.21%
Voting Age	85,885	51,966	23,948	4,542
		60.51%	27.88%	5.29%
County: Irwin GA				
Total:	9,666	6,402	2,333	663
		66.23%	24.14%	6.86%
Voting Age	7,547	5,047	1,720	545
		66.87%	22.79%	7.22%
County: Jeff Davis GA				
Total:	14,779	9,950	2,493	2,047
		67.33%	16.87%	13.85%
Voting Age	10,856	7,643	1,752	1,233
		70.40%	16.14%	11.36%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 8				
County: Jones GA				
Total:	28,347	20,074	7,114	476
		70.82%	25.10%	1.68%
Voting Age	21,575	15,428	5,341	302
		71.51%	24.76%	1.40%
County: Lanier GA				
Total:	9,877	6,595	2,369	572
		66.77%	23.99%	5.79%
Voting Age	7,326	5,010	1,683	370
		68.39%	22.97%	5.05%
County: Lowndes GA				
Total:	118,251	59,306	46,758	7,872
		50.15%	39.54%	6.66%
Voting Age	89,031	47,140	33,302	5,201
		52.95%	37.40%	5.84%
County: Monroe GA				
Total:	27,957	19,954	6,444	714
		71.37%	23.05%	2.55%
Voting Age	21,913	15,771	5,068	464
		71.97%	23.13%	2.12%
County: Pulaski GA				
Total:	9,855	6,022	3,250	327
		61.11%	32.98%	3.32%
Voting Age	8,012	5,027	2,564	224
		62.74%	32.00%	2.80%
County: Telfair GA				
Total:	12,477	5,970	4,754	1,928
		47.85%	38.10%	15.45%
Voting Age	10,190	4,802	3,806	1,757
		47.12%	37.35%	17.24%
County: Tift GA				
Total:	41,344	22,189	12,734	5,219
		53.67%	30.80%	12.62%
Voting Age	31,224	18,011	8,963	3,295
		57.68%	28.71%	10.55%
County: Turner GA				
Total:	9,006	4,700	3,813	372
		52.19%	42.34%	4.13%
Voting Age	6,960	3,891	2,752	256
		55.91%	39.54%	3.68%
County: Twiggs GA				
Total:	8,022	4,487	3,226	124
		55.93%	40.21%	1.55%
Voting Age	6,589	3,733	2,627	79
		56.66%	39.87%	1.20%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 8				
County: Wilcox GA				
Total:	8,766	5,185	3,161	272
		59.15%	36.06%	3.10%
Voting Age	7,218	4,215	2,693	209
		58.40%	37.31%	2.90%
County: Wilkinson GA				
Total:	8,877	5,110	3,330	239
		57.56%	37.51%	2.69%
Voting Age	7,026	4,165	2,549	152
		59.28%	36.28%	2.16%
County: Worth GA				
Total:	20,784	14,427	5,517	381
		69.41%	26.54%	1.83%
Voting Age	16,444	11,747	4,108	244
		71.44%	24.98%	1.48%
District 8 Total				
Total:	765,136	443,123	241,628	54,850
		57.91%	31.58%	7.17%
Voting Age	585,857	354,572	175,967	35,732
		60.52%	30.04%	6.10%
District 9				
County: Banks GA				
Total:	18,035	15,578	589	1,164
		86.38%	3.27%	6.45%
Voting Age	13,900	12,278	365	721
		88.33%	2.63%	5.19%
County: Fannin GA				
Total:	25,319	23,351	199	753
		92.23%	0.79%	2.97%
Voting Age	21,188	19,721	133	505
		93.08%	0.63%	2.38%
County: Franklin GA				
Total:	23,424	19,262	2,207	1,121
		82.23%	9.42%	4.79%
Voting Age	18,307	15,466	1,523	678
		84.48%	8.32%	3.70%
County: Gilmer GA				
Total:	31,353	26,365	296	3,599
		84.09%	0.94%	11.48%
Voting Age	25,417	22,187	161	2,158
		87.29%	0.63%	8.49%
County: Gwinnett GA				
Total:	249,728	111,897	54,397	40,057
		44.81%	21.78%	16.04%
Voting Age	186,718	88,365	38,478	27,103
		47.33%	20.61%	14.52%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 9				
County: Habersham GA				
Total:	46,031	34,694	2,165	6,880
		75.37%	4.70%	14.95%
Voting Age	35,878	28,299	1,675	4,115
		78.88%	4.67%	11.47%
County: Hall GA				
Total:	203,136	120,418	17,006	57,010
		59.28%	8.37%	28.06%
Voting Age	153,844	98,800	12,094	36,146
		64.22%	7.86%	23.50%
County: Hart GA				
Total:	25,828	19,250	4,732	931
		74.53%	18.32%	3.60%
Voting Age	20,436	15,761	3,447	578
		77.12%	16.87%	2.83%
County: Lumpkin GA				
Total:	33,488	29,241	685	1,790
		87.32%	2.05%	5.35%
Voting Age	27,689	24,419	507	1,345
		88.19%	1.83%	4.86%
County: Rabun GA				
Total:	16,883	14,625	210	1,452
		86.63%	1.24%	8.60%
Voting Age	13,767	12,236	129	928
		88.88%	0.94%	6.74%
County: Stephens GA				
Total:	26,784	21,323	3,527	857
		79.61%	13.17%	3.20%
Voting Age	21,163	17,310	2,467	578
		81.79%	11.66%	2.73%
County: Towns GA				
Total:	12,493	11,469	168	415
		91.80%	1.34%	3.32%
Voting Age	10,923	10,100	137	338
		92.47%	1.25%	3.09%
County: Union GA				
Total:	24,632	22,646	228	816
		91.94%	0.93%	3.31%
Voting Age	20,808	19,351	147	563
		93.00%	0.71%	2.71%
County: White GA				
Total:	28,003	24,959	721	913
		89.13%	2.57%	3.26%
Voting Age	22,482	20,318	484	605
		90.37%	2.15%	2.69%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 9				
District 9 Total				
Total:	765,137	495,078	87,130	117,758
		64.70%	11.39%	15.39%
Voting Age	592,520	404,611	61,747	76,361
		68.29%	10.42%	12.89%
District 10				
County: Barrow GA				
Total:	83,505	55,582	11,907	10,560
		66.56%	14.26%	12.65%
Voting Age	62,195	43,241	8,222	6,726
		69.52%	13.22%	10.81%
County: Butts GA				
Total:	25,434	16,628	7,212	803
		65.38%	28.36%	3.16%
Voting Age	20,360	13,510	5,660	559
		66.36%	27.80%	2.75%
County: Clarke GA				
Total:	128,671	72,201	33,672	14,336
		56.11%	26.17%	11.14%
Voting Age	106,830	64,531	24,776	10,213
		60.41%	23.19%	9.56%
County: Elbert GA				
Total:	19,637	12,610	5,520	996
		64.22%	28.11%	5.07%
Voting Age	15,493	10,322	4,122	660
		66.62%	26.61%	4.26%
County: Greene GA				
Total:	18,915	11,126	6,027	1,289
		58.82%	31.86%	6.81%
Voting Age	15,358	9,675	4,470	826
		63.00%	29.11%	5.38%
County: Hancock GA				
Total:	8,735	2,413	6,131	63
		27.62%	70.19%	0.72%
Voting Age	7,487	2,220	5,108	47
		29.65%	68.22%	0.63%
County: Henry GA				
Total:	118,452	51,338	54,850	8,409
		43.34%	46.31%	7.10%
Voting Age	86,869	40,092	38,346	5,466
		46.15%	44.14%	6.29%
County: Jackson GA				
Total:	75,907	59,064	6,148	6,712
		77.81%	8.10%	8.84%
Voting Age	56,451	45,015	4,268	4,261
		79.74%	7.56%	7.55%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 10				
County: Jasper GA				
Total:	14,588	10,771	2,676	684
		73.83%	18.34%	4.69%
Voting Age	11,118	8,400	1,966	402
		75.55%	17.68%	3.62%
County: Madison GA				
Total:	30,120	23,549	3,196	1,956
		78.18%	10.61%	6.49%
Voting Age	23,112	18,643	2,225	1,198
		80.66%	9.63%	5.18%
County: Morgan GA				
Total:	20,097	14,487	4,339	712
		72.09%	21.59%	3.54%
Voting Age	15,574	11,452	3,280	434
		73.53%	21.06%	2.79%
County: Newton GA				
Total:	42,369	27,443	11,763	1,958
		64.77%	27.76%	4.62%
Voting Age	32,442	21,722	8,537	1,241
		66.96%	26.31%	3.83%
County: Oconee GA				
Total:	41,799	33,886	2,280	2,347
		81.07%	5.45%	5.61%
Voting Age	30,221	24,942	1,660	1,405
		82.53%	5.49%	4.65%
County: Oglethorpe GA				
Total:	14,825	10,903	2,468	869
		73.54%	16.65%	5.86%
Voting Age	11,639	8,799	1,853	531
		75.60%	15.92%	4.56%
County: Putnam GA				
Total:	22,047	14,316	5,701	1,557
		64.93%	25.86%	7.06%
Voting Age	17,847	12,209	4,229	1,031
		68.41%	23.70%	5.78%
County: Taliaferro GA				
Total:	1,559	591	876	69
		37.91%	56.19%	4.43%
Voting Age	1,289	506	722	46
		39.26%	56.01%	3.57%
County: Walton GA				
Total:	96,673	68,499	18,804	5,228
		70.86%	19.45%	5.41%
Voting Age	73,098	53,647	13,165	3,236
		73.39%	18.01%	4.43%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 10				
County: Wilkes GA				
Total:	1,802	1,080	567	97
		59.93%	31.47%	5.38%
Voting Age	1,491	897	488	54
		60.16%	32.73%	3.62%
District 10 Total				
Total:	765,135	486,487	184,137	58,645
		63.58%	24.07%	7.66%
Voting Age	588,874	389,823	133,097	38,336
		66.20%	22.60%	6.51%
District 11				
County: Bartow GA				
Total:	108,901	80,159	13,395	10,751
		73.61%	12.30%	9.87%
Voting Age	83,570	63,759	9,377	6,817
		76.29%	11.22%	8.16%
County: Cherokee GA				
Total:	225,739	163,019	20,198	29,617
		72.22%	8.95%	13.12%
Voting Age	171,726	128,979	14,026	19,292
		75.11%	8.17%	11.23%
County: Cobb GA				
Total:	397,281	195,964	109,299	58,228
		49.33%	27.51%	14.66%
Voting Age	313,106	163,531	83,089	39,938
		52.23%	26.54%	12.76%
County: Pickens GA				
Total:	33,216	30,122	512	1,198
		90.69%	1.54%	3.61%
Voting Age	26,799	24,626	319	755
		91.89%	1.19%	2.82%
District 11 Total				
Total:	765,137	469,264	143,404	99,794
		61.33%	18.74%	13.04%
Voting Age	595,201	380,895	106,811	66,802
		63.99%	17.95%	11.22%
District 12				
County: Bulloch GA				
Total:	81,099	49,712	24,375	4,180
		61.30%	30.06%	5.15%
Voting Age	64,494	41,041	18,220	3,021
		63.64%	28.25%	4.68%
County: Burke GA				
Total:	24,596	11,941	11,430	777
		48.55%	46.47%	3.16%
Voting Age	18,778	9,566	8,362	494
		50.94%	44.53%	2.63%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 12				
County: Candler GA				
Total:	10,981	6,567	2,807	1,378
		59.80%	25.56%	12.55%
Voting Age	8,241	5,229	2,009	835
		63.45%	24.38%	10.13%
County: Columbia GA				
Total:	156,010	99,111	32,516	11,858
		63.53%	20.84%	7.60%
Voting Age	114,823	76,070	22,273	7,355
		66.25%	19.40%	6.41%
County: Effingham GA				
Total:	17,561	12,955	3,383	617
		73.77%	19.26%	3.51%
Voting Age	13,023	9,788	2,457	354
		75.16%	18.87%	2.72%
County: Emanuel GA				
Total:	22,768	13,815	7,556	993
		60.68%	33.19%	4.36%
Voting Age	17,320	11,013	5,404	589
		63.59%	31.20%	3.40%
County: Evans GA				
Total:	10,774	6,038	3,273	1,237
		56.04%	30.38%	11.48%
Voting Age	8,127	4,826	2,410	731
		59.38%	29.65%	8.99%
County: Glascock GA				
Total:	2,884	2,573	226	52
		89.22%	7.84%	1.80%
Voting Age	2,236	2,003	167	31
		89.58%	7.47%	1.39%
County: Jefferson GA				
Total:	15,709	6,834	8,208	462
		43.50%	52.25%	2.94%
Voting Age	12,301	5,536	6,324	280
		45.00%	51.41%	2.28%
County: Jenkins GA				
Total:	8,674	4,611	3,638	303
		53.16%	41.94%	3.49%
Voting Age	7,005	3,874	2,843	194
		55.30%	40.59%	2.77%
County: Johnson GA				
Total:	9,189	5,800	3,124	117
		63.12%	34.00%	1.27%
Voting Age	7,474	4,790	2,513	82
		64.09%	33.62%	1.10%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 12				
County: Laurens GA				
Total:	49,570	27,881	19,132	1,424
		56.25%	38.60%	2.87%
Voting Age	37,734	22,229	13,695	923
		58.91%	36.29%	2.45%
County: Lincoln GA				
Total:	7,690	5,196	2,212	92
		67.57%	28.76%	1.20%
Voting Age	6,270	4,316	1,728	54
		68.84%	27.56%	0.86%
County: McDuffie GA				
Total:	21,632	11,417	9,045	790
		52.78%	41.81%	3.65%
Voting Age	16,615	9,359	6,425	536
		56.33%	38.67%	3.23%
County: Montgomery GA				
Total:	8,610	5,665	2,224	571
		65.80%	25.83%	6.63%
Voting Age	6,792	4,527	1,781	377
		66.65%	26.22%	5.55%
County: Richmond GA				
Total:	206,607	68,397	119,970	11,449
		33.10%	58.07%	5.54%
Voting Age	160,899	58,403	87,930	8,445
		36.30%	54.65%	5.25%
County: Screven GA				
Total:	14,067	8,018	5,527	287
		57.00%	39.29%	2.04%
Voting Age	10,893	6,387	4,144	188
		58.63%	38.04%	1.73%
County: Tattnall GA				
Total:	22,842	13,825	6,331	2,303
		60.52%	27.72%	10.08%
Voting Age	17,654	11,020	4,886	1,419
		62.42%	27.68%	8.04%
County: Toombs GA				
Total:	27,030	16,007	7,402	3,044
		59.22%	27.38%	11.26%
Voting Age	20,261	12,810	5,036	1,978
		63.22%	24.86%	9.76%
County: Treutlen GA				
Total:	6,406	4,065	2,114	170
		63.46%	33.00%	2.65%
Voting Age	4,934	3,272	1,514	98
		66.32%	30.69%	1.99%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 12				
County: Warren GA				
Total:	5,215	1,974	3,128	53
		37.85%	59.98%	1.02%
Voting Age	4,159	1,716	2,360	46
		41.26%	56.74%	1.11%
County: Washington GA				
Total:	19,988	8,412	10,969	334
		42.09%	54.88%	1.67%
Voting Age	15,709	6,944	8,333	235
		44.20%	53.05%	1.50%
County: Wheeler GA				
Total:	7,471	4,157	2,949	272
		55.64%	39.47%	3.64%
Voting Age	6,217	3,418	2,561	174
		54.98%	41.19%	2.80%
County: Wilkes GA				
Total:	7,763	3,872	3,422	302
		49.88%	44.08%	3.89%
Voting Age	6,160	3,257	2,583	189
		52.87%	41.93%	3.07%
District 12 Total				
Total:	765,136	398,843	294,961	43,065
		52.13%	38.55%	5.63%
Voting Age	588,119	321,394	215,958	28,628
		54.65%	36.72%	4.87%
District 13				
County: Clayton GA				
Total:	259,676	23,324	188,757	36,049
		8.98%	72.69%	13.88%
Voting Age	192,693	21,052	138,553	23,193
		10.93%	71.90%	12.04%
County: Cobb GA				
Total:	125,029	35,498	56,579	27,993
		28.39%	45.25%	22.39%
Voting Age	94,104	29,952	41,953	17,986
		31.83%	44.58%	19.11%
County: Douglas GA				
Total:	101,267	26,463	60,619	11,835
		26.13%	59.86%	11.69%
Voting Age	75,827	22,474	43,695	7,538
		29.64%	57.62%	9.94%
County: Fayette GA				
Total:	16,509	5,071	9,334	1,415
		30.72%	56.54%	8.57%
Voting Age	13,259	4,527	7,282	898
		34.14%	54.92%	6.77%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 13				
County: Fulton GA				
Total:	164,371	9,267	146,286	8,173
		5.64%	89.00%	4.97%
Voting Age	123,766	8,240	109,273	5,487
		6.66%	88.29%	4.43%
County: Henry GA				
Total:	98,285	25,483	58,519	8,089
		25.93%	59.54%	8.23%
Voting Age	75,140	21,915	42,907	5,365
		29.17%	57.10%	7.14%
District 13 Total				
Total:	765,137	125,106	520,094	93,554
		16.35%	67.97%	12.23%
Voting Age	574,789	108,160	383,663	60,467
		18.82%	66.75%	10.52%
District 14				
County: Catoosa GA				
Total:	67,872	59,280	2,642	2,341
		87.34%	3.89%	3.45%
Voting Age	52,448	46,578	1,684	1,492
		88.81%	3.21%	2.84%
County: Chattooga GA				
Total:	24,965	20,079	2,865	1,297
		80.43%	11.48%	5.20%
Voting Age	19,416	15,885	2,235	733
		81.81%	11.51%	3.78%
County: Cobb GA				
Total:	77,914	27,347	38,183	9,997
		35.10%	49.01%	12.83%
Voting Age	58,910	23,036	27,367	6,479
		39.10%	46.46%	11.00%
County: Dade GA				
Total:	16,251	14,786	228	364
		90.99%	1.40%	2.24%
Voting Age	12,987	11,925	140	243
		91.82%	1.08%	1.87%
County: Floyd GA				
Total:	98,584	67,747	15,606	11,466
		68.72%	15.83%	11.63%
Voting Age	76,295	55,088	11,064	7,167
		72.20%	14.50%	9.39%
County: Gordon GA				
Total:	57,544	43,317	2,919	8,957
		75.28%	5.07%	15.57%
Voting Age	43,500	34,084	1,939	5,592
		78.35%	4.46%	12.86%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 14				
County: Murray GA				
Total:	39,973	32,164	556	5,914
		80.46%	1.39%	14.79%
Voting Age	30,210	25,146	321	3,696
		83.24%	1.06%	12.23%
County: Paulding GA				
Total:	168,661	108,444	41,296	12,564
		64.30%	24.48%	7.45%
Voting Age	123,998	83,066	28,164	7,974
		66.99%	22.71%	6.43%
County: Polk GA				
Total:	42,853	30,161	5,816	5,585
		70.38%	13.57%	13.03%
Voting Age	32,238	24,049	3,991	3,252
		74.60%	12.38%	10.09%
County: Walker GA				
Total:	67,654	59,654	3,664	1,685
		88.18%	5.42%	2.49%
Voting Age	52,794	47,292	2,454	1,066
		89.58%	4.65%	2.02%
County: Whitfield GA				
Total:	102,864	57,875	4,919	36,916
		56.26%	4.78%	35.89%
Voting Age	76,262	46,881	3,349	23,553
		61.47%	4.39%	30.88%
District 14 Total				
Total:	765,135	520,854	118,694	97,086
		68.07%	15.51%	12.69%
Voting Age	579,058	413,030	82,708	61,247
		71.33%	14.28%	10.58%

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT L-1

User:
Plan Name: Illustrative Plan
Plan Type:

Measures of Compactness Report

Tuesday, November 22, 2022 4:41 PM

	Reock	Polsby-Popper
Sum	N/A	N/A
Min	0.28	0.18
Max	0.51	0.39
Mean	0.43	0.27
Std. Dev.	0.07	0.06

District	Reock	Polsby-Popper
001	0.46	0.29
002	0.46	0.27
003	0.39	0.24
004	0.28	0.22
005	0.51	0.32
006	0.45	0.27
007	0.50	0.39
008	0.34	0.21
009	0.40	0.32
010	0.40	0.18
011	0.40	0.19

Measures of Compactness Report

	Reock	Polsby-Popper
Sum	N/A	N/A
Min	0.28	0.18
Max	0.51	0.39
Mean	0.43	0.27
Std. Dev.	0.07	0.06

District	Reock	Polsby-Popper
012	**0.50**	**0.28**
013	**0.44**	**0.29**
014	**0.48**	**0.34**

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT L-2

User:
Plan Name: **Enacted Congress B-V-C**
Plan Type: **Congress**

Measures of Compactness Report

Sunday, December 4, 2022 11:15 PM

	Reock	Polsby-Popper
Mean	0.45	0.26
Min	0.33	0.16
Max	0.55	0.37
Std. Dev.	0.07	0.06
Sum		

	Higher Number is Better		Lower Number is Better
District	Reock	Polsby-Popper	
1	0.40	0.23	
2	0.44	0.31	
3	0.55	0.28	
4	0.54	0.27	
5	0.52	0.37	
6	0.49	0.27	
7	0.45	0.26	
8	0.33	0.16	
9	0.36	0.30	
10	0.52	0.27	
11	0.50	0.28	
12	0.41	0.19	
13	0.38	0.16	
14	0.45	0.31	

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT L-3

User:
Plan Name: _Enacted_2021_Plan
Plan Type:

Measures of Compactness Report

Tuesday, November 22, 2022 4:39 PM

	Reock	Polsby-Popper
Mean	0.44	0.27
Min	0.31	0.16
Max	0.56	0.39
Std. Dev.	0.07	0.06
Sum		

	Higher Number is Better		Lower Number is Better
District	Reock	Polsby-Popper	
1	0.46	0.29	
2	0.46	0.27	
3	0.46	0.28	
4	0.31	0.25	
5	0.51	0.32	
6	0.42	0.20	
7	0.50	0.39	
8	0.34	0.21	
9	0.38	0.25	
10	0.56	0.28	
11	0.48	0.21	
12	0.50	0.28	
13	0.38	0.16	
14	0.43	0.37	

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-1

User:
Plan Name: Illustrative Plan
Plan Type:

Political Subdivison Splits Between Districts

Saturday, November 19, 2022 8:40 PM

Split Counts

Number of subdivisions split into more than one district:		Number of splits involving no population:	
County	15	County	0
Voting District	43	Voting District	1

Number of times a subdivision is split into multiple districts:

County	18
Voting District	44

County	Voting District	District	Population
Split Counties:			
Bibb GA		002	108,371
Bibb GA		008	48,975
Cherokee GA		011	122,400
Cherokee GA		014	144,220
Clayton GA		005	37,919
Clayton GA		013	259,676
Cobb GA		003	25,421
Cobb GA		006	452,386
Cobb GA		011	288,342
DeKalb GA		004	601,451
DeKalb GA		005	162,931
Effingham GA		001	47,208
Effingham GA		012	17,561
Fayette GA		006	4,143
Fayette GA		013	115,051
Fulton GA		005	564,287
Fulton GA		006	164,371
Fulton GA		007	92,558
Fulton GA		011	245,494
Gwinnett GA		007	672,579
Gwinnett GA		009	284,483
Hall GA		009	153,463
Hall GA		010	49,673
Houston GA		002	48,521
Houston GA		008	115,112
Lumpkin GA		010	29,598
Lumpkin GA		014	3,890
Muscogee GA		002	175,155
Muscogee GA		003	31,767
Newton GA		004	70,115
Newton GA		013	42,368
Wilkes GA		010	1,802
Wilkes GA		012	7,763

Political Subdivison Splits Between Districts

Nov14_GA_congress

County	Voting District	District	Population
Split VTDs:			
Bibb GA	HOWARD 2	002	0
Bibb GA	HOWARD 2	008	5,445
Bibb GA	VINEVILLE 6	002	2,527
Bibb GA	VINEVILLE 6	008	1,846
Cherokee GA	ARNOLD MILL	011	5,916
Cherokee GA	ARNOLD MILL	014	623
Cherokee GA	TOONIGH	011	373
Cherokee GA	TOONIGH	014	8,830
Cobb GA	Durham 01	003	987
Cobb GA	Durham 01	011	4,330
Cobb GA	Eastside 02	006	4,603
Cobb GA	Eastside 02	011	598
Cobb GA	Elizabeth 02	006	334
Cobb GA	Elizabeth 02	011	2,968
Cobb GA	Harrison 01	003	3,865
Cobb GA	Harrison 01	011	85
Cobb GA	Kemp 03	003	4,841
Cobb GA	Kemp 03	006	30
Cobb GA	Kennesaw 1A	006	2,972
Cobb GA	Kennesaw 1A	011	1,471
Cobb GA	Kennesaw 3A	006	3,540
Cobb GA	Kennesaw 3A	011	5,962
Cobb GA	Lost Mountain 03	003	31
Cobb GA	Lost Mountain 03	006	6,841
Cobb GA	Pine Mountain 02	003	23
Cobb GA	Pine Mountain 02	006	967
Cobb GA	Pine Mountain 02	011	2,986
Cobb GA	Sewell Mill 03	006	4,245
Cobb GA	Sewell Mill 03	011	2,692
DeKalb GA	Avondale (AVO)	004	341
DeKalb GA	Avondale (AVO)	005	3,226
DeKalb GA	North Decatur	004	2,220
DeKalb GA	North Decatur	005	1,670
DeKalb GA	Scott	004	2,482
DeKalb GA	Scott	005	1,434
Effingham GA	4B	001	2,759
Effingham GA	4B	012	160
Fayette GA	RAREOVER	006	2,062
Fayette GA	RAREOVER	013	1,650
Fayette GA	SANDY CREEK	006	2,081
Fayette GA	SANDY CREEK	013	4,627
Fulton GA	11C	005	3,058
Fulton GA	11C	006	700
Fulton GA	CP051	005	79
Fulton GA	CP051	006	1,718
Fulton GA	RW21	007	4,138

Political Subdivison Splits Between Districts

Nov14_GA_congress

County	Voting District	District	Population
Fulton GA	RW21	011	164
Fulton GA	RW22A	007	11
Fulton GA	RW22A	011	7,186
Fulton GA	SC02	005	220
Fulton GA	SC02	006	773
Fulton GA	SS01	007	1,550
Fulton GA	SS01	011	3,803
Fulton GA	SS03	005	1,254
Fulton GA	SS03	011	900
Fulton GA	SS04	005	219
Fulton GA	SS04	011	5,019
Fulton GA	SS08C	005	438
Fulton GA	SS08C	011	594
Fulton GA	SS18A	005	472
Fulton GA	SS18A	011	309
Gwinnett GA	SUWANEE G	007	815
Gwinnett GA	SUWANEE G	009	5,138
Hall GA	GAINESVILLE I	009	6,606
Hall GA	GAINESVILLE I	010	181
Hall GA	GLADE	009	25
Hall GA	GLADE	010	6,845
Hall GA	WHELCHEL	009	366
Hall GA	WHELCHEL	010	5,685
Lumpkin GA	DAHLONEGA	010	29,598
Lumpkin GA	DAHLONEGA	014	3,890
Muscogee GA	COLUMBUS TECH	002	7,876
Muscogee GA	COLUMBUS TECH	003	1,271
Muscogee GA	CORNERSTONE	002	10,259
Muscogee GA	CORNERSTONE	003	192
Muscogee GA	ST PAUL/CLUBVIEW	002	6,958
Muscogee GA	ST PAUL/CLUBVIEW	003	1,082
Newton GA	BEAVERDAM	004	101
Newton GA	BEAVERDAM	013	7,174
Newton GA	CROWELL	004	3,263
Newton GA	CROWELL	013	3,967
Newton GA	FAIRVIEW	004	856
Newton GA	FAIRVIEW	013	3,443
Wilkes GA	3174A - COURTHOUSE	010	106
Wilkes GA	3174A - COURTHOUSE	012	1,114
Wilkes GA	3174B - TIGNALL SCHOOL	010	774
Wilkes GA	3174B - TIGNALL SCHOOL	012	407

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-2

User:
Plan Name: **Enacted Congress B-V-C**
Plan Type: **Congress**

Political Subdivison Splits Between Districts

Sunday, December 4, 2022 11:19 PM

Split Counts

Number of subdivisions split into more than one district:		Number of splits involving no population:	
County	16	County	0
Voting District	64	Voting District	21

Number of times a subdivision is split into multiple districts:

County	22
Voting District	64

County	Voting District	District	Population
Split Counties:			
Bibb GA		2	109,356
Bibb GA		8	47,990
Clarke GA		9	17,724
Clarke GA		10	110,947
Clayton GA		5	117,339
Clayton GA		13	180,256
Cobb GA		6	193,750
Cobb GA		11	379,820
Cobb GA		13	192,579
Columbia GA		10	20,422
Columbia GA		12	135,588
DeKalb GA		4	393,310
DeKalb GA		5	174,792
DeKalb GA		6	196,280
Effingham GA		1	39,543
Effingham GA		12	25,226
Fayette GA		3	99,867
Fayette GA		13	19,327
Forsyth GA		7	183,316
Forsyth GA		9	67,967
Fulton GA		5	495,995
Fulton GA		6	375,763
Fulton GA		11	47,174
Fulton GA		13	147,778
Gwinnett GA		4	197,348
Gwinnett GA		7	676,124
Gwinnett GA		10	83,590
Henry GA		3	78,718
Henry GA		10	53,255
Henry GA		13	108,739
Lowndes GA		1	6,307
Lowndes GA		8	111,944
Muscogee GA		2	156,252

Political Subdivison Splits Between Districts

Enacted Congress B-V-C

County	Voting District	District	Population
Muscogee GA		3	50,670
Newton GA		4	89,533
Newton GA		10	22,950
Pickens GA		9	21,805
Pickens GA		14	11,411
Split VTDs:			
Bibb GA	HOWARD 2	2	736
Bibb GA	HOWARD 2	8	4,709
Cobb GA	Chattahoochee 01	6	5,702
Cobb GA	Chattahoochee 01	11	4,425
Cobb GA	Dobbins 01	11	13,401
Cobb GA	Dobbins 01	13	0
Cobb GA	East Piedmont 01	6	451
Cobb GA	East Piedmont 01	11	3,471
Cobb GA	Fair Oaks 04	11	5,624
Cobb GA	Fair Oaks 04	13	7,076
Cobb GA	Macland 01	11	0
Cobb GA	Macland 01	13	5,734
Cobb GA	Marietta 5A	6	1,457
Cobb GA	Marietta 5A	11	2,877
Cobb GA	Marietta 5B	6	0
Cobb GA	Marietta 5B	11	4,761
Cobb GA	Marietta 6A	6	1,493
Cobb GA	Marietta 6A	11	3,061
Cobb GA	Marietta 7A	6	1,271
Cobb GA	Marietta 7A	11	5,640
Cobb GA	McEachern	11	0
Cobb GA	McEachern	13	4,563
Cobb GA	Nickajack 01	11	6,126
Cobb GA	Nickajack 01	13	0
Cobb GA	Oakdale 01	11	4,545
Cobb GA	Oakdale 01	13	66
Cobb GA	Oregon 04	11	0
Cobb GA	Oregon 04	13	6,498
Cobb GA	Palmer 01	6	1,900
Cobb GA	Palmer 01	11	1,785
Cobb GA	Powers Ferry 01	6	464
Cobb GA	Powers Ferry 01	11	4,963
Cobb GA	Smyrna 3A	11	3,566
Cobb GA	Smyrna 3A	13	6,226
Cobb GA	Smyrna 4A	11	10
Cobb GA	Smyrna 4A	13	8,198
Cobb GA	Smyrna 5A	11	0
Cobb GA	Smyrna 5A	13	6,989
Cobb GA	Smyrna 6A	11	7,594
Cobb GA	Smyrna 6A	13	497
Cobb GA	Smyrna 7A	11	691

Political Subdivison Splits Between Districts

Enacted Congress B-V-C

County	Voting District	District	Population
Cobb GA	Smyrna 7A	13	7,904
Columbia GA	HARLEM BRANCH LIBRARY	10	2,566
Columbia GA	HARLEM BRANCH LIBRARY	12	3,473
Columbia GA	KIOKEE BAPT CHURCH	10	1,046
Columbia GA	KIOKEE BAPT CHURCH	12	2,544
DeKalb GA	Avondale High	4	2,174
DeKalb GA	Avondale High	5	1,676
DeKalb GA	Clairmont Road	4	4,525
DeKalb GA	Clairmont Road	5	0
DeKalb GA	Glennwood (DEC)	4	1,515
DeKalb GA	Glennwood (DEC)	5	1,765
DeKalb GA	Lakeside High	4	10
DeKalb GA	Lakeside High	6	4,534
DeKalb GA	Oak Grove Elem	4	3,231
DeKalb GA	Oak Grove Elem	6	0
DeKalb GA	Oak View Elem	4	10
DeKalb GA	Oak View Elem	5	6,304
DeKalb GA	Scott	4	3,914
DeKalb GA	Scott	5	2
DeKalb GA	Wadsworth	4	2,421
DeKalb GA	Wadsworth	5	923
DeKalb GA	Winnona Park (DEC)	4	18
DeKalb GA	Winnona Park (DEC)	5	2,866
Effingham GA	1B	1	2,790
Effingham GA	1B	12	1,605
Effingham GA	4B	1	959
Effingham GA	4B	12	1,960
Fayette GA	DOGWOOD	3	2,385
Fayette GA	DOGWOOD	13	1,354
Fayette GA	FAYETTEVILLE EAST	3	2,785
Fayette GA	FAYETTEVILLE EAST	13	15
Fayette GA	SANDY CREEK	3	5,259
Fayette GA	SANDY CREEK	13	1,449
Fayette GA	WILLOW POND	3	4,167
Fayette GA	WILLOW POND	13	0
Forsyth GA	BROWNS BRIDGE	7	6,555
Forsyth GA	BROWNS BRIDGE	9	6,362
Forsyth GA	HEARDSVILLE	7	22
Forsyth GA	HEARDSVILLE	9	12,978
Forsyth GA	MIDWAY	7	30,335
Forsyth GA	MIDWAY	9	91
Forsyth GA	OTWELL	7	15,056
Forsyth GA	OTWELL	9	3,404
Fulton GA	CP051	5	1,789
Fulton GA	CP051	13	8

Political Subdivison Splits Between Districts

Enacted Congress B-V-C

County	Voting District	District	Population
Fulton GA	EP04B	5	0
Fulton GA	EP04B	13	3,706
Fulton GA	SC19B	5	0
Fulton GA	SC19B	13	2,306
Gwinnett GA	BERKSHIRE J	4	3,703
Gwinnett GA	BERKSHIRE J	7	40
Gwinnett GA	CATES D	4	4,733
Gwinnett GA	CATES D	7	1,037
Gwinnett GA	CATES H	4	6,264
Gwinnett GA	CATES H	7	0
Gwinnett GA	DUNCANS D	7	0
Gwinnett GA	DUNCANS D	10	10,195
Gwinnett GA	HOG MOUNTAIN B	7	6,314
Gwinnett GA	HOG MOUNTAIN B	10	0
Gwinnett GA	PUCKETTS D	7	5,310
Gwinnett GA	PUCKETTS D	10	0
Gwinnett GA	ROCKYCREEK B	7	7,660
Gwinnett GA	ROCKYCREEK B	10	0
Henry GA	EAST LAKE	3	0
Henry GA	EAST LAKE	10	4,457
Henry GA	LAKE HAVEN	3	5,788
Henry GA	LAKE HAVEN	10	0
Henry GA	MCDONOUGH CENTRAL	3	5,969
Henry GA	MCDONOUGH CENTRAL	10	0
Henry GA	UNITY GROVE	3	3,615
Henry GA	UNITY GROVE	10	3,236
Lowndes GA	NAYLOR	1	1,130
Lowndes GA	NAYLOR	8	654
Lowndes GA	TRINITY	1	5,177
Lowndes GA	TRINITY	8	16,170
Muscogee GA	EPWORTH UMC	2	395
Muscogee GA	EPWORTH UMC	3	7,528
Muscogee GA	GENTIAN/REESE @LDS	2	9,501
Muscogee GA	GENTIAN/REESE @LDS	3	0
Muscogee GA	ST PAUL/CLUBVIEW	2	5,762
Muscogee GA	ST PAUL/CLUBVIEW	3	2,278
Newton GA	ALCOVY	4	6,166
Newton GA	ALCOVY	10	549
Newton GA	ROCKY PLAINS	4	674
Newton GA	ROCKY PLAINS	10	4,537
Pickens GA	TATE	9	1,211
Pickens GA	TATE	14	2,585

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-3

User:
Plan Name: **Enacted_2021_Plan**
Plan Type:

Political Subdivison Splits Between Districts

Tuesday, November 22, 2022 5:21 PM

Split Counts

Number of subdivisions split into more than one district:		Number of splits involving no population:	
County	15	County	0
Voting District	47	Voting District	1

Number of times a subdivision is split into multiple districts:

County	21
Voting District	47

County	Voting District	District	Population
Split Counties:			
Bibb GA		2	108,371
Bibb GA		8	48,975
Cherokee GA		6	40,881
Cherokee GA		11	225,739
Clayton GA		5	37,919
Clayton GA		13	259,676
Cobb GA		6	165,925
Cobb GA		11	397,281
Cobb GA		13	125,029
Cobb GA		14	77,914
DeKalb GA		4	601,451
DeKalb GA		5	162,931
Douglas GA		3	42,970
Douglas GA		13	101,267
Effingham GA		1	47,208
Effingham GA		12	17,561
Fayette GA		3	102,685
Fayette GA		13	16,509
Fulton GA		5	564,287
Fulton GA		6	245,494
Fulton GA		7	92,558
Fulton GA		13	164,371
Gwinnett GA		6	34,755
Gwinnett GA		7	672,579
Gwinnett GA		9	249,728
Henry GA		3	23,975
Henry GA		10	118,452
Henry GA		13	98,285
Houston GA		2	48,521
Houston GA		8	115,112
Muscogee GA		2	175,155
Muscogee GA		3	31,767
Newton GA		4	70,114

Political Subdivison Splits Between Districts

Ga_Congress_Enacted_2021_P

County	Voting District	District	Population
Newton GA		10	42,369
Wilkes GA		10	1,802
Wilkes GA		12	7,763
Split VTDs:			
Bibb GA	HOWARD 2	2	0
Bibb GA	HOWARD 2	8	5,445
Bibb GA	VINEVILLE 6	2	2,527
Bibb GA	VINEVILLE 6	8	1,846
Cherokee GA	HICKORY FLAT	6	2,468
Cherokee GA	HICKORY FLAT	11	7,593
Cobb GA	East Piedmont 01	6	3,511
Cobb GA	East Piedmont 01	11	411
Cobb GA	Eastside 02	6	459
Cobb GA	Eastside 02	11	4,742
Cobb GA	Elizabeth 01	6	177
Cobb GA	Elizabeth 01	11	5,693
Cobb GA	Kemp 02	11	2,051
Cobb GA	Kemp 02	14	3,151
Cobb GA	Mableton 01	13	5,999
Cobb GA	Mableton 01	14	1,103
Cobb GA	Mableton 02	13	4,152
Cobb GA	Mableton 02	14	1,531
Cobb GA	Marietta 5A	6	106
Cobb GA	Marietta 5A	11	4,228
Cobb GA	Marietta 5B	6	2,828
Cobb GA	Marietta 5B	11	1,933
Cobb GA	Marietta 6A	6	1,532
Cobb GA	Marietta 6A	11	3,022
Cobb GA	Nickajack 01	11	6,108
Cobb GA	Nickajack 01	13	18
Cobb GA	Oakdale 01	11	3,804
Cobb GA	Oakdale 01	13	807
Cobb GA	Oregon 05	11	3,496
Cobb GA	Oregon 05	14	1,409
Cobb GA	Palmer 01	6	1,900
Cobb GA	Palmer 01	11	1,785
Cobb GA	Sewell Mill 03	6	5,051
Cobb GA	Sewell Mill 03	11	1,886
Cobb GA	Smyrna 3A	11	6,191
Cobb GA	Smyrna 3A	13	3,601
Cobb GA	Smyrna 5A	11	1,557
Cobb GA	Smyrna 5A	13	5,432
Cobb GA	Smyrna 7A	11	366
Cobb GA	Smyrna 7A	13	8,229
DeKalb GA	Avondale (AVO)	4	341
DeKalb GA	Avondale (AVO)	5	3,226
DeKalb GA	North Decatur	4	2,220

Political Subdivison Splits Between Districts

Ga_Congress_Enacted_2021_P

County	Voting District	District	Population
DeKalb GA	North Decatur	5	1,670
DeKalb GA	Scott	4	2,482
DeKalb GA	Scott	5	1,434
Douglas GA	PRAYS MILL GYM	3	7,167
Douglas GA	PRAYS MILL GYM	13	324
Douglas GA	ST JULIANS EPISCOPAL	3	2,125
Douglas GA	ST JULIANS EPISCOPAL	13	1,028
Effingham GA	4B	1	2,759
Effingham GA	4B	12	160
Fulton GA	11C	5	3,058
Fulton GA	11C	13	700
Fulton GA	CP051	5	79
Fulton GA	CP051	13	1,718
Fulton GA	RW21	6	164
Fulton GA	RW21	7	4,138
Fulton GA	RW22A	6	7,186
Fulton GA	RW22A	7	11
Fulton GA	SC02	5	220
Fulton GA	SC02	13	773
Fulton GA	SS01	6	3,803
Fulton GA	SS01	7	1,550
Fulton GA	SS03	5	1,254
Fulton GA	SS03	6	900
Fulton GA	SS04	5	219
Fulton GA	SS04	6	5,019
Fulton GA	SS08C	5	438
Fulton GA	SS08C	6	594
Fulton GA	SS18A	5	472
Fulton GA	SS18A	6	309
Gwinnett GA	SUWANEE G	7	815
Gwinnett GA	SUWANEE G	9	5,138
Muscogee GA	COLUMBUS TECH	2	7,876
Muscogee GA	COLUMBUS TECH	3	1,271
Muscogee GA	CORNERSTONE	2	10,259
Muscogee GA	CORNERSTONE	3	192
Muscogee GA	ST PAUL/CLUBVIEW	2	6,958
Muscogee GA	ST PAUL/CLUBVIEW	3	1,082
Newton GA	ALCOVY	4	6,251
Newton GA	ALCOVY	10	464
Newton GA	CITY POND	4	2,372
Newton GA	CITY POND	10	712
Newton GA	DOWNS	4	114
Newton GA	DOWNS	10	8,507
Newton GA	LIVINGSTON	4	4,260
Newton GA	LIVINGSTON	10	2,077
Newton GA	OXFORD	4	1,737
Newton GA	OXFORD	10	2,304

Political Subdivison Splits Between Districts

Ga_Congress_Enacted_2021_P

County	Voting District	District	Population
Wilkes GA	3174A - COURTHOUSE	10	106
Wilkes GA	3174A - COURTHOUSE	12	1,114
Wilkes GA	3174B - TIGNALL SCHOOL	10	774
Wilkes GA	3174B - TIGNALL SCHOOL	12	407

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-4

User:
Plan Name: Illustrative Plan
Plan Type:

Communities of Interest (Condensed)

Tuesday, November 22, 2022 8:19 AM

Whole City/Town : 494
City/Town Splits: 84
Zero Population City/Town Splits: 6

District	City/Town	Population	% Pop
001	Guyton	285	12.45%
001	Springfield	18	0.67%
002	Barwick	258	71.07%
002	Pavo	380	61.09%
002	Perry	90	0.44%
002	Centerville	8,228	100.00%
002	Warner Robins	31,703	39.48%
002	Columbus	175,155	84.65%
002	Manchester	92	2.57%
003	Villa Rica	9,706	57.20%
003	Chattahoochee Hills	2	0.07%
003	Palmetto	561	11.06%
003	Columbus	31,767	15.35%
003	Manchester	3,492	97.43%
003	Taylorsville	35	13.89%
004	Social Circle	5	0.10%
004	Avondale Estates	341	9.56%
004	Atlanta	42	0.01%
005	Riverdale	0	0.00%
005	Forest Park	14,165	71.07%
005	Avondale Estates	3,226	90.44%
005	Sandy Springs	52,999	49.04%
005	South Fulton	3,731	3.47%
005	College Park	8,958	64.31%
005	East Point	34,652	90.34%
005	Atlanta	497,973	99.85%
006	Villa Rica	7,264	42.80%
006	Chattahoochee Hills	2,948	99.93%
006	Palmetto	4,510	88.94%
006	Tyrone	2,290	29.90%
006	South Fulton	103,705	96.53%
006	College Park	4,972	35.69%
006	East Point	3,706	9.66%
006	Atlanta	700	0.14%
006	Kennesaw	6,512	19.71%
006	Marietta	60,972	100.00%
007	Sandy Springs	1,550	1.43%
007	Roswell	4,165	4.49%
007	Alpharetta	4,390	6.67%
007	Suwanee	346	1.66%
007	Loganville	3,155	22.33%
007	Lawrenceville	29,016	94.73%
007	Dacula	6,882	100.00%
008	Barwick	105	28.93%
008	Pavo	242	38.91%
008	Perry	20,534	99.56%
008	McRae-Helena	6,253	100.00%
008	Centerville	0	0.00%
008	Warner Robins	48,605	60.52%
008	Allentown	190	97.44%
008	Scotland	166	95.95%
009	Auburn	225	3.00%
009	Braselton	11,396	85.03%
009	Gainesville	39,707	93.88%
009	Gillsville	212	69.28%
009	Maysville	834	44.67%
009	Suwanee	20,440	98.34%
009	Lawrenceville	1,613	5.27%
009	Dacula	0	0.00%
010	Social Circle	4,969	99.90%
010	Auburn	7,270	97.00%
010	Braselton	2,007	14.97%
010	Gainesville	2,589	6.12%
010	Gillsville	94	30.72%
010	Maysville	1,033	55.33%
010	Loganville	10,972	77.67%
011	Sandy Springs	53,531	49.53%
011	Roswell	88,668	95.51%
011	Kennesaw	26,524	80.29%
011	Alpharetta	61,428	93.33%
011	Taylorsville	217	86.11%
011	Marietta	0	0.00%
011	Woodstock	33,557	95.70%
011	Holly Springs	45	0.28%
012	McRae-Helena	0	0.00%
012	Allentown	5	2.56%
012	Scotland	7	4.05%
012	Guyton	2,004	87.55%

Communities of Interest (Condensed)

Nov14_GA_congress

District	City/Town	Population	% Pop	District	City/Town	Population	% Pop
012	Springfield	2,685	99.33%				
013	Tyrone	5,368	70.10%				
013	Riverdale	15,129	100.00%				
013	Forest Park	5,767	28.93%				
014	Woodstock	1,508	4.30%				
014	Holly Springs	16,168	99.72%				

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-5

User:
Plan Name: **Enacted Congress B-V-C**
Plan Type: **Congress**

Communities of Interest (Condensed)

Thursday, December 1, 2022 10:42 AM

Whole City/Town : 491
City/Town Splits: 91
Zero Population City/Town Splits: 6

District	City/Town	Population	% Pop	District	City/Town	Population	% Pop
1	Vernonburg	139	100.00%	2	Roberta	813	100.00%
1	Pooler	25,711	100.00%	2	Lilly	129	100.00%
1	Garden City	10,289	100.00%	2	Pinehurst	309	100.00%
1	Port Wentworth	10,878	100.00%	2	Unadilla	3,118	100.00%
				2	Perry	90	0.44%
1	Thunderbolt	2,556	100.00%	2	Fort Valley	8,780	100.00%
1	Rincon	10,934	100.00%	2	Warner Robins	565	0.70%
1	Tybee Island	3,114	100.00%				
1	Kingsland	18,337	100.00%	2	Byron	5,702	100.00%
1	St. Marys	18,256	100.00%	2	Bluffton	113	100.00%
1	Woodbine	1,062	100.00%	2	Edison	1,230	100.00%
1	Waycross	13,942	100.00%	2	Cuthbert	3,143	100.00%
1	Homeland	886	100.00%	2	Morgan	1,741	100.00%
1	Folkston	4,464	100.00%	2	Leary	524	100.00%
1	Hoboken	480	100.00%	2	Shellman	861	100.00%
1	Blackshear	3,506	100.00%	2	Dawson	4,414	100.00%
1	Patterson	749	100.00%	2	Parrott	120	100.00%
1	Offerman	450	100.00%	2	Lumpkin	891	100.00%
1	Nahunta	1,013	100.00%	2	Richland	1,370	100.00%
1	Alma	3,433	100.00%	2	Buena Vista	1,585	100.00%
1	Screven	769	100.00%	2	Albany	69,647	100.00%
1	Odum	463	100.00%	2	Sasser	287	100.00%
1	Jesup	9,809	100.00%	2	Bronwood	334	100.00%
1	Brunswick	15,210	100.00%	2	Leesburg	3,480	100.00%
1	Darien	1,460	100.00%	2	Smithville	593	100.00%
1	Ludowici	1,590	100.00%	2	Leslie	344	100.00%
1	Gumbranch	235	100.00%	2	De Soto	124	100.00%
1	Walthourville	3,680	100.00%	2	Plains	573	100.00%
1	Allenhurst	816	100.00%	2	Ellaville	1,595	100.00%
1	Hinesville	34,891	100.00%	2	Jakin	131	100.00%
1	Flemington	825	100.00%	2	Bainbridge	14,468	100.00%
1	Riceboro	615	100.00%	2	Attapulgus	454	100.00%
1	Midway	2,141	100.00%	2	Climax	276	100.00%
1	Richmond Hill	16,633	100.00%	2	Donalsonville	2,833	100.00%
				2	Iron City	312	100.00%
1	Pembroke	2,513	100.00%	2	Brinson	217	100.00%
1	Bloomingdale	2,790	100.00%	2	Colquitt	2,001	100.00%
1	Savannah	147,780	100.00%	2	Blakely	5,371	100.00%
1	Du Pont	134	100.00%	2	Damascus	212	100.00%
1	Fargo	250	100.00%	2	Arlington	1,209	100.00%
1	Homerville	2,344	100.00%	2	Whigham	428	100.00%
1	Argyle	190	100.00%	2	Cairo	10,179	100.00%
2	Butler	1,881	100.00%	2	Pelham	3,507	100.00%
2	Reynolds	926	100.00%	2	Newton	602	100.00%

Communities of Interest (Condensed)

Enacted Congress B-V-C

District	City/Town	Population	% Pop
2	Camilla	5,187	100.00%
2	Baconton	856	100.00%
2	Meigs	38	4.09%
2	Sale City	354	100.00%
2	Fort Gaines	995	100.00%
2	Americus	16,230	100.00%
2	Ideal	407	100.00%
2	Andersonville	237	100.00%
2	Dooling	68	100.00%
2	Byromville	422	100.00%
2	Oglethorpe	995	100.00%
2	Montezuma	3,047	100.00%
2	Marshallville	1,048	100.00%
2	Columbus	156,252	75.51%
2	Geneva	75	100.00%
2	Junction City	138	100.00%
2	Talbotton	742	100.00%
2	Manchester	92	2.57%
2	Woodland	305	100.00%
2	Cordele	10,220	100.00%
2	Arabi	447	100.00%
2	Vienna	2,928	100.00%
3	Villa Rica	9,706	57.20%
3	Chattahoochee Hills	2	0.07%
3	Newnan	42,549	100.00%
3	Gay	110	100.00%
3	Haralson	172	100.00%
3	Concord	378	100.00%
3	Sharpsburg	327	100.00%
3	Turin	347	100.00%
3	Senoia	5,016	100.00%
3	Peachtree City	38,244	100.00%
3	Palmetto	561	11.06%
3	Tyrone	7,658	100.00%
3	Brooks	568	100.00%
3	Woolsey	206	100.00%
3	Fayetteville	18,291	96.49%
3	Thomaston	9,816	100.00%
3	Yatesville	394	100.00%
3	Zebulon	1,225	100.00%
3	Meansville	266	100.00%
3	Williamson	681	100.00%
3	Aldora	0	0.00%
3	Barnesville	6,292	100.00%
3	Milner	772	100.00%
3	Griffin	23,478	100.00%
3	Orchard Hill	219	100.00%
3	Sunny Side	203	100.00%
3	Hampton	4,857	58.04%
3	Stockbridge	0	0.00%
3	McDonough	19,568	67.36%
3	Locust Grove	8,947	100.00%
3	Mount Zion	1,766	100.00%
3	Carrollton	26,738	100.00%
3	Bremen	65	0.90%
3	Temple	5,026	98.76%
3	Ephesus	471	100.00%
3	Bowdon	2,161	100.00%
3	Franklin	950	100.00%
3	Centralhatchee	348	100.00%
3	Roopville	231	100.00%
3	West Point	3,719	100.00%
3	LaGrange	30,858	100.00%
3	Columbus	50,670	24.49%
3	Hamilton	1,680	100.00%
3	Waverly Hall	638	100.00%
3	Pine Mountain	1,216	100.00%
3	Shiloh	402	100.00%
3	Warm Springs	465	100.00%
3	Manchester	3,492	97.43%
3	Woodbury	908	100.00%
3	Molena	392	100.00%
3	Hogansville	3,267	100.00%
3	Lone Oak	114	100.00%
3	Grantville	3,103	100.00%
3	Greenville	794	100.00%
3	Luthersville	776	100.00%
3	Moreland	382	100.00%
3	Whitesburg	596	100.00%
4	Covington	14,144	99.66%
4	Oxford	2,308	100.00%
4	Decatur	6,020	24.15%
4	Avondale Estates	3,567	100.00%
4	Clarkston	14,756	100.00%
4	Pine Lake	752	100.00%
4	Stone Mountain	6,703	100.00%
4	Tucker	24,906	67.30%
4	Stonecrest	59,194	100.00%
4	Lithonia	2,662	100.00%
4	Conyers	17,305	100.00%
4	Porterdale	1,799	100.00%
4	Lilburn	3,442	23.73%
4	Snellville	11,849	57.59%
4	Loganville	2,314	16.38%
5	Riverdale	0	0.00%
5	Hapeville	6,553	100.00%
5	Forest Park	19,932	100.00%
5	Morrow	6,074	92.46%
5	Lake City	2,952	100.00%

Communities of Interest (Condensed)

Enacted Congress B-V-C

District	City/Town	Population	% Pop
5	Decatur	18,908	75.85%
5	Brookhaven	10,087	18.29%
5	South Fulton	17,214	16.02%
5	College Park	10,856	77.93%
5	East Point	34,652	90.34%
5	Atlanta	466,826	93.61%
6	Sandy Springs	92,792	85.85%
6	Brookhaven	45,074	81.71%
6	Dunwoody	51,683	100.00%
6	Chamblee	30,164	100.00%
6	Roswell	92,833	100.00%
6	Doraville	10,623	100.00%
6	Tucker	12,099	32.70%
6	Atlanta	3	0.00%
6	Alpharetta	65,818	100.00%
6	Johns Creek	82,453	100.00%
6	Milton	41,296	100.00%
6	Marietta	7,962	13.06%
6	Mountain Park	571	97.94%
7	Norcross	17,209	100.00%
7	Peachtree Corners	42,243	100.00%
7	Braselton	10	0.07%
7	Berkeley Lake	2,054	100.00%
7	Duluth	31,873	100.00%
7	Lilburn	11,060	76.27%
7	Suwanee	20,786	100.00%
7	Snellville	8,724	42.41%
7	Grayson	4,730	100.00%
7	Loganville	841	5.95%
7	Lawrenceville	30,629	100.00%
7	Dacula	0	0.00%
7	Cumming	7,318	100.00%
7	Sugar Hill	25,076	100.00%
7	Buford	14,479	84.46%
7	Rest Haven	20	44.44%
8	Culloden	200	100.00%
8	Forsyth	4,384	100.00%
8	Boston	1,207	100.00%
8	Barwick	363	100.00%
8	Quitman	4,064	100.00%
8	Coolidge	528	100.00%
8	Moultrie	14,638	100.00%
8	Pavo	622	100.00%
8	Funston	402	100.00%
8	Norman Park	963	100.00%
8	Morven	506	100.00%
8	Berlin	511	100.00%
8	Perry	20,534	99.56%
8	Pineview	454	100.00%
8	Hawkinsville	3,980	100.00%
8	Ocilla	3,498	100.00%
8	Fitzgerald	9,006	100.00%
8	Jacksonville	111	100.00%
8	Abbeville	2,685	100.00%
8	Rhine	295	100.00%
8	Eastman	5,658	100.00%
8	Cochran	5,026	100.00%
8	Chester	525	100.00%
8	Milan	613	100.00%
8	Chauncey	289	100.00%
8	McRae-Helena	6,253	100.00%
8	Centerville	8,228	100.00%
8	Warner Robins	79,743	99.30%
8	Gray	3,436	100.00%
8	Danville	165	100.00%
8	Jeffersonville	977	100.00%
8	Allentown	190	97.44%
8	Gordon	1,783	100.00%
8	Ivey	1,037	100.00%
8	Irwinton	531	100.00%
8	McIntyre	575	100.00%
8	Toomsboro	383	100.00%
8	Warwick	504	100.00%
8	Thomasville	18,881	100.00%
8	Ochlocknee	672	100.00%
8	Meigs	890	95.91%
8	Doerun	738	100.00%
8	Sylvester	5,644	100.00%
8	Poulan	760	100.00%
8	Sumner	445	100.00%
8	Ty Ty	641	100.00%
8	Sycamore	692	100.00%
8	Ashburn	4,291	100.00%
8	Tifton	17,045	100.00%
8	Pitts	252	100.00%
8	Rebecca	208	100.00%
8	Rochelle	1,167	100.00%
8	Lumber City	967	100.00%
8	Scotland	166	95.95%
8	Ellenton	210	100.00%
8	Hahira	3,384	100.00%
8	Cecil	284	100.00%
8	Sparks	2,043	100.00%
8	Adel	5,571	100.00%
8	Omega	1,318	100.00%
8	Lenox	752	100.00%
8	Remerton	1,334	100.00%
8	Valdosta	55,378	100.00%
8	Lake Park	932	100.00%
8	Dasher	890	100.00%
8	Ray City	956	100.00%

Communities of Interest (Condensed)

District	City/Town	Population	% Pop
8	Nashville	4,947	100.00%
8	Enigma	1,058	100.00%
8	Alapaha	481	100.00%
8	Lakeland	2,875	100.00%
8	Willacoochee	1,240	100.00%
8	Pearson	1,821	100.00%
9	Hartwell	4,470	100.00%
9	Helen	531	100.00%
9	Young Harris	1,098	100.00%
9	Hiawassee	981	100.00%
9	Clarkesville	1,911	100.00%
9	Tallulah Falls	199	100.00%
9	Tiger	422	100.00%
9	Clayton	2,003	100.00%
9	Mountain City	904	100.00%
9	Dillard	337	100.00%
9	Sky Valley	482	100.00%
9	Cornelia	4,503	100.00%
9	Mount Airy	1,391	100.00%
9	Demorest	2,022	100.00%
9	Winterville	1,201	100.00%
9	Hull	230	100.00%
9	Colbert	630	100.00%
9	Comer	1,512	100.00%
9	Carlton	263	100.00%
9	Ila	350	100.00%
9	Danielsville	654	100.00%
9	Franklin Springs	1,155	100.00%
9	Royston	2,649	100.00%
9	Carnesville	713	100.00%
9	Toccoa	9,133	100.00%
9	Canon	643	100.00%
9	Lavonia	2,143	100.00%
9	Martin	336	100.00%
9	Avalon	233	100.00%
9	Bowman	872	100.00%
9	Elberton	4,640	100.00%
9	Bowersville	444	100.00%
9	Flowery Branch	9,391	100.00%
9	Dawsonville	3,720	100.00%
9	Dahlonega	7,537	100.00%
9	East Ellijay	650	100.00%
9	Ellijay	1,862	100.00%
9	McCaysville	1,149	100.00%
9	Blue Ridge	1,253	100.00%
9	Morganton	285	100.00%
9	Blairsville	616	100.00%
9	Jasper	4,018	98.38%
9	Arcade	1,884	100.00%
9	Braselton	7,490	55.88%
9	Hoschton	2,666	100.00%
9	Oakwood	4,822	100.00%
9	Gainesville	42,296	100.00%
9	Talmo	257	100.00%
9	Pendergrass	1,692	100.00%
9	Gillsville	306	100.00%
9	Clermont	1,021	100.00%
9	Cleveland	3,514	100.00%
9	Lula	2,822	100.00%
9	Jefferson	13,233	100.00%
9	Maysville	1,867	100.00%
9	Homer	1,264	100.00%
9	Nicholson	1,808	100.00%
9	Commerce	7,387	100.00%
9	Alto	970	100.00%
9	Baldwin	3,629	100.00%
9	Nelson	549	47.95%
9	Buford	2,665	15.54%
9	Rest Haven	25	55.56%
10	Sharon	104	100.00%
10	Washington	3,754	100.00%
10	Tignall	485	100.00%
10	Lincolnton	1,480	100.00%
10	Greensboro	3,648	100.00%
10	Woodville	264	100.00%
10	Maxeys	198	100.00%
10	Arnoldsville	431	100.00%
10	Lexington	203	100.00%
10	Crawford	821	100.00%
10	Union Point	1,597	100.00%
10	Crawfordville	479	100.00%
10	Rayle	158	100.00%
10	McDonough	9,483	32.64%
10	Jackson	5,557	100.00%
10	Flovilla	643	100.00%
10	Jenkinsburg	391	100.00%
10	Covington	48	0.34%
10	Walnut Grove	1,322	100.00%
10	Jersey	146	100.00%
10	Social Circle	4,974	100.00%
10	Monroe	14,928	100.00%
10	Between	402	100.00%
10	Auburn	7,495	100.00%
10	Carl	209	100.00%
10	Bethlehem	715	100.00%
10	Winder	18,338	100.00%
10	Rutledge	871	100.00%
10	Good Hope	339	100.00%
10	Bostwick	378	100.00%
10	Madison	4,447	100.00%
10	Buckhead	194	100.00%
10	Monticello	2,541	100.00%

Communities of Interest (Condensed)

District	City/Town	Population	% Pop
10	Mansfield	442	100.00%
10	Newborn	676	100.00%
10	Shady Dale	252	100.00%
10	Eatonton	6,307	100.00%
10	Oconee	197	100.00%
10	Deepstep	117	100.00%
10	Milledgeville	17,070	100.00%
10	Sparta	1,357	100.00%
10	Warrenton	1,744	100.00%
10	Norwood	202	100.00%
10	Camak	141	100.00%
10	Avera	223	100.00%
10	Stapleton	402	100.00%
10	Wrens	2,217	100.00%
10	Thomson	6,814	100.00%
10	Dearing	529	100.00%
10	Harlem	2,333	65.33%
10	White Plains	239	100.00%
10	Siloam	194	100.00%
10	Wrightsville	3,449	100.00%
10	Adrian	322	58.33%
10	Harrison	339	100.00%
10	Tennille	1,469	100.00%
10	Sandersville	5,813	100.00%
10	Riddleville	80	100.00%
10	Davisboro	1,832	100.00%
10	Kite	160	100.00%
10	Bartow	186	100.00%
10	Wadley	1,643	100.00%
10	Louisville	2,381	100.00%
10	Edge Hill	22	100.00%
10	Mitchell	153	100.00%
10	Gibson	630	100.00%
10	North High Shoals	552	100.00%
10	Statham	2,813	100.00%
10	Bogart	1,326	100.00%
10	Bishop	332	100.00%
10	Watkinsville	2,896	100.00%
10	Braselton	5,903	44.04%
10	Loganville	10,972	77.67%
10	Dacula	6,882	100.00%
11	Canton	32,973	100.00%
11	Sandy Springs	15,288	14.15%
11	Atlanta	31,886	6.39%
11	Acworth	22,440	100.00%
11	Kennesaw	33,036	100.00%
11	Ball Ground	2,560	100.00%
11	Nelson	596	52.05%
11	Taylorsville	217	86.11%
11	Kingston	722	100.00%
11	Marietta	53,010	86.94%
11	Smyrna	25,849	46.44%
11	Euharlee	4,268	100.00%
11	Emerson	1,415	100.00%
11	Cartersville	23,187	100.00%
11	White	661	100.00%
11	Adairsville	4,878	100.00%
11	Waleska	921	100.00%
11	Woodstock	35,065	100.00%
11	Holly Springs	16,213	100.00%
11	Mountain Park	12	2.06%
12	Oliver	210	100.00%
12	Sylvania	2,634	100.00%
12	Hiltonia	310	100.00%
12	Sardis	995	100.00%
12	Newington	290	100.00%
12	Girard	184	100.00%
12	Ambrose	327	100.00%
12	Douglas	11,722	100.00%
12	Broxton	1,060	100.00%
12	McRae-Helena	0	0.00%
12	Cadwell	381	100.00%
12	Dexter	655	100.00%
12	Rentz	312	100.00%
12	Allentown	5	2.56%
12	Montrose	203	100.00%
12	Dudley	593	100.00%
12	Dublin	16,074	100.00%
12	East Dublin	2,492	100.00%
12	Summertown	121	100.00%
12	Twin City	1,642	100.00%
12	Garfield	257	100.00%
12	Midville	385	100.00%
12	Portal	638	100.00%
12	Rocky Ford	167	100.00%
12	Millen	2,966	100.00%
12	Vidette	103	100.00%
12	Keysville	300	100.00%
12	Hephzibah	3,830	100.00%
12	Blythe	744	100.00%
12	Harlem	1,238	34.67%
12	Grovetown	15,577	100.00%
12	Waynesboro	5,799	100.00%
12	Nicholls	3,147	100.00%
12	Denton	189	100.00%
12	Hazlehurst	4,088	100.00%
12	Graham	263	100.00%
12	Baxley	4,942	100.00%
12	Scotland	7	4.05%
12	Alamo	771	100.00%
12	Glenwood	850	100.00%

Communities of Interest (Condensed)

District	City/Town	Population	% Pop
12	Mount Vernon	1,990	100.00%
12	Soperton	2,889	100.00%
12	Uvalda	439	100.00%
12	Alston	178	100.00%
12	Ailey	519	100.00%
12	Higgston	314	100.00%
12	Vidalia	10,785	100.00%
12	Santa Claus	204	100.00%
12	Lyons	4,239	100.00%
12	Tarrytown	66	100.00%
12	Oak Park	512	100.00%
12	Nunez	134	100.00%
12	Surrency	194	100.00%
12	Statesboro	33,438	100.00%
12	Brooklet	1,704	100.00%
12	Guyton	2,289	100.00%
12	Springfield	2,703	100.00%
12	Glennville	3,834	100.00%
12	Reidsville	2,515	100.00%
12	Collins	540	100.00%
12	Stillmore	439	100.00%
12	Cobbtown	341	100.00%
12	Metter	4,004	100.00%
12	Manassas	59	100.00%
12	Bellville	127	100.00%
12	Hagan	959	100.00%
12	Claxton	2,602	100.00%
12	Daisy	159	100.00%
12	Pulaski	211	100.00%
12	Register	157	100.00%
12	Adrian	230	41.67%
12	Swainsboro	7,425	100.00%
13	Villa Rica	7,264	42.80%
13	Chattahoochee Hills	2,948	99.93%
13	Douglasville	34,650	100.00%
13	Powder Springs	16,887	100.00%
13	Palmetto	4,510	88.94%
13	Tyrone	0	0.00%
13	Fairburn	16,483	100.00%
13	Fayetteville	666	3.51%
13	Hampton	3,511	41.96%
13	Jonesboro	4,235	100.00%
13	Lovejoy	10,122	100.00%
13	Stockbridge	28,973	100.00%
13	Riverdale	15,129	100.00%
13	Morrow	495	7.54%
13	Union City	26,830	100.00%
13	South Fulton	90,222	83.98%
13	College Park	3,074	22.07%
13	East Point	3,706	9.66%
13	Austell	7,713	100.00%
13	Smyrna	29,814	53.56%
14	Tunnel Hill	963	100.00%
14	Dalton	34,417	100.00%
14	Ringgold	3,414	100.00%
14	Cohutta	764	100.00%
14	Dallas	14,042	100.00%
14	Hiram	4,929	100.00%
14	Chatsworth	4,874	100.00%
14	Eton	824	100.00%
14	Varnell	2,179	100.00%
14	Jasper	66	1.62%
14	Talking Rock	91	100.00%
14	Menlo	480	100.00%
14	Tallapoosa	3,227	100.00%
14	Cedartown	10,190	100.00%
14	Waco	536	100.00%
14	Bremen	7,120	99.10%
14	Buchanan	938	100.00%
14	Temple	63	1.24%
14	Rockmart	4,732	100.00%
14	Aragon	1,440	100.00%
14	Braswell	355	100.00%
14	Cave Spring	1,174	100.00%
14	Lyerly	454	100.00%
14	Summerville	4,435	100.00%
14	Trion	1,960	100.00%
14	Rome	37,713	100.00%
14	Taylorsville	35	13.89%
14	Plainville	356	100.00%
14	Calhoun	16,949	100.00%
14	Resaca	1,142	100.00%
14	Trenton	2,195	100.00%
14	LaFayette	6,888	100.00%
14	Lookout Mountain	1,641	100.00%
14	Chickamauga	2,917	100.00%
14	Rossville	3,980	100.00%
14	Fort Oglethorpe	10,423	100.00%
14	Fairmount	772	100.00%
14	Ranger	107	100.00%

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-6

User:
Plan Name: **Enacted_2021_Plan**
Plan Type:

Communities of Interest (Condensed)

Tuesday, November 22, 2022 8:11 AM

Whole City/Town : 488
City/Town Splits: 99
Zero Population City/Town Splits: 8

District	City/Town	Population	% Pop
1	Guyton GA	285	12.45%
1	Springfield GA	18	0.67%
2	Barwick GA	258	71.07%
2	Pavo GA	380	61.09%
2	Perry GA	90	0.44%
2	Centerville GA	8,228	100.00%
2	Warner Robins GA	31,703	39.48%
2	Columbus GA	175,155	84.65%
2	Manchester GA	92	2.57%
3	Chattahoochee Hills GA	2	0.07%
3	Douglasville GA	1,139	3.29%
3	Palmetto GA	561	11.06%
3	Tyrone GA	7,658	100.00%
3	Fayetteville GA	18,554	97.87%
3	McDonough GA	1,033	3.56%
3	Columbus GA	31,767	15.35%
3	Manchester GA	3,492	97.43%
4	Covington GA	13,954	98.32%
4	Oxford GA	2,275	98.57%
4	Avondale Estates GA	341	9.56%
4	Atlanta GA	42	0.01%
5	Riverdale GA	0	0.00%
5	Forest Park GA	14,165	71.07%
5	Avondale Estates GA	3,226	90.44%
5	Sandy Springs GA	52,999	49.04%
5	South Fulton GA	3,731	3.47%
5	College Park GA	8,958	64.31%
5	East Point GA	34,652	90.34%
5	Atlanta GA	497,973	99.85%
6	Sandy Springs GA	53,531	49.53%
6	Roswell GA	88,668	95.51%
6	Alpharetta GA	61,428	93.33%
6	Suwanee GA	0	0.00%
6	Nelson GA	596	52.05%
6	Sugar Hill GA	19,576	78.07%
6	Buford GA	695	4.05%
6	Marietta GA	8,207	13.46%
6	Holly Springs GA	404	2.49%
6	Mountain Park GA	571	97.94%
7	Sandy Springs GA	1,550	1.43%
7	Roswell GA	4,165	4.49%
7	Alpharetta GA	4,390	6.67%
7	Suwanee GA	346	1.66%
7	Loganville GA	3,155	22.33%
7	Lawrenceville GA	29,016	94.73%
7	Dacula GA	6,882	100.00%
8	Barwick GA	105	28.93%
8	Pavo GA	242	38.91%
8	Perry GA	20,534	99.56%
8	McRae-Helena GA	6,253	100.00%
8	Centerville GA	0	0.00%
8	Warner Robins GA	48,605	60.52%
8	Allentown GA	190	97.44%
8	Scotland GA	166	95.95%
9	Royston GA	2,648	99.96%
9	Auburn GA	225	3.00%
9	Braselton GA	7,160	53.42%
9	Maysville GA	1,033	55.33%
9	Suwanee GA	20,440	98.34%
9	Lawrenceville GA	1,613	5.27%
9	Dacula GA	0	0.00%
9	Sugar Hill GA	5,500	21.93%
9	Buford GA	16,449	95.95%

Communities of Interest (Condensed)

Ga_Congress_Enacted_2021_P

District	City/Town	Population	% Pop	District	City/Town	Population	% Pop
10	Royston GA	1	0.04%				
10	Stockbridge GA	0	0.00%				
10	McDonough GA	28,018	96.44%				
10	Covington GA	238	1.68%				
10	Oxford GA	33	1.43%				
10	Auburn GA	7,270	97.00%				
10	Braselton GA	6,243	46.58%				
10	Maysville GA	834	44.67%				
10	Loganville GA	10,972	77.67%				
11	Nelson GA	549	47.95%				
11	Taylorsville GA	217	86.11%				
11	Marietta GA	52,765	86.54%				
11	Smyrna GA	30,193	54.24%				
11	Holly Springs GA	15,809	97.51%				
11	Mountain Park GA	12	2.06%				
12	McRae-Helena GA	0	0.00%				
12	Allentown GA	5	2.56%				
12	Scotland GA	7	4.05%				
12	Guyton GA	2,004	87.55%				
12	Springfield GA	2,685	99.33%				
13	Chattahoochee Hills GA	2,948	99.93%				
13	Douglasville GA	33,511	96.71%				
13	Palmetto GA	4,510	88.94%				
13	Tyrone GA	0	0.00%				
13	Fayetteville GA	403	2.13%				
13	Stockbridge GA	28,973	100.00%				
13	Riverdale GA	15,129	100.00%				
13	Forest Park GA	5,767	28.93%				
13	South Fulton GA	103,705	96.53%				
13	College Park GA	4,972	35.69%				
13	East Point GA	3,706	9.66%				
13	Atlanta GA	700	0.14%				
13	Austell GA	126	1.63%				
13	Smyrna GA	25,470	45.76%				
14	Austell GA	7,587	98.37%				
14	Taylorsville GA	35	13.89%				

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

COAKLEY PENDERGRASS et al., Plaintiffs, v. BRAD RAFFENSPERGER, in his official capacity as the Georgia Secretary of State, et al., Defendants.	CIVIL ACTION FILE NO. 1:21-CV-05339-SCJ

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 50 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*

Exhibit
0006

African-American Affairs Council, Inc. v. McWherter, No. 92-cv-2407 (W.D. Tenn.); *Old Person v. Brown*, No. 96-cv-0004 (D. Mont.); *Bone Shirt v. Hazeltine*, No. 01-cv-3032 (D.S.D.); *Alabama Legislative Black Caucus v. Alabama*, No. 12-cv-691 (M.D. Ala.); and *Thomas v. Reeves*, No. 18-cv-441 (S.D. Miss.). 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, *Georgia State Conference of NAACP v. Fayette County Board of Commissioners*, No. 11-cv-123 (N.D. Ga.), and *Georgia State Conference of NAACP v. Emanuel County Board of Commissioners*, No. 16-cv-21 (S.D. Ga.). 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 in advance of the 2020 elections: *Georgia State Conference of NAACP v. Gwinnett County Board of Commissioners*, No. 16-cv-2852 (N.D. Ga.); *Thompson v. Kemp*, No. 17-cv-1427 (N.D. Ga.); and *Dwight v. Kemp*, No. 18-cv-2869 (N.D. Ga.).

4. In 2022, I testified as an expert in redistricting and demographics in six cases challenging district boundaries under Section 2 of the Voting Rights Act: *Caster v. Merrill*, No. 21-1356-AMM (N.D. Ala.); *Alpha Phi Alpha Fraternity v. Raffensperger*, No. 21-05337-SCJ (N.D. Ga.); *Pendergrass v. Raffensperger*, No. 21-

05339-SCJ (N.D. Ga.); *NAACP v Baltimore County*, No.21-cv-03232-LKG (D. Md.); *Christian Ministerial Alliance* v. *Hutchinson*, No. 4:19-cv-402-JM (E.D. Ark.); and *Robinson v. Ardoin*, No. 3:22-cv-00211-SDD-SDJ (M.D. La.). I also testified at trial this year as an expert on demographics in *NAACP v. Lee*, No. 4:21cv187-MW/MAF (N.D. Fla.), a case involving recent changes to Florida's election law.

5. Since the release of the 2020 Census data, three county commission-level plans I developed as a private consultant have been adopted by local governments, in San Juan County, Utah; Bolivar County, Mississippi; and Washington County, Mississippi. In addition, a school board plan I developed was adopted by the Jefferson County, Alabama Board of Education (*Stout v. Jefferson County*).

6. My redistricting experience is further documented in **Exhibit A**.

7. I am being compensated at a rate of $150.00 per hour. No part of my compensation is dependent upon the conclusions that I reach or the opinions that I offer.

A. Purpose of Declaration

8. The attorneys for the Plaintiffs in this case asked me to determine whether the African American[1] population in Georgia is "sufficiently large and

[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

geographically compact"[2] to allow for the creation of an additional majority-Black congressional district in the Atlanta metropolitan area.

9. **Exhibit B** describes the sources and methodology I have employed in the preparation of this report and the Illustrative Plan. In short, I used the Maptitude for Redistricting 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. Expert Conclusions

10. The Black population in metropolitan Atlanta is sufficiently numerous and geographically compact to allow for the creation of an additional majority-Black congressional district anchored in Cobb, Douglas, and Fulton Counties (CD 6 in the Illustrative Plan) consistent with traditional redistricting principles.

11. The additional majority-Black congressional district can be merged into the enacted 2021 Plan without making changes to six of the 14 districts: CD 1, CD 2, CD 5, CD 7, CD 8, and CD 12 are unaffected.

Georgia v. Ashcroft, 539 U.S. 461 (2003), the "Any Part" definition is an appropriate Census classification to use in most Section 2 cases.

[2] This is the first *Gingles* precondition. *See Thornburg v. Gingles*, 478 U.S. 30 (1986).

C. Organization of Declaration

12. The remainder of this declaration is organized as follows: **Section II** reviews state-level and Metro Atlanta 1990–2020 demographics, as defined by the 29-county Atlanta-Sandy Springs-Alpharetta MSA.[3] **Section III** provides maps and population statistics for the 2012 Benchmark Plan and the enacted 2021 Plan. **Section IV** presents the Illustrative Plan that I have prepared, based on the 2020 Census, which includes an additional majority-Black district in Metro Atlanta.

II. DEMOGRAPHIC PROFILE

A. Georgia: 2010 to 2020

13. According to the 2020 Census, Georgia has a total population of 10,711,908 persons—up by 1.02 million since 2010.

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[3] In this declaration, Metro Atlanta refers to the 29-county Atlanta-Sandy Springs-Alpharetta Metropolitan Statistical Area ("MSA"). It includes the counties of Barrow, Bartow, Butts, Carroll, Cherokee, Clayton, Cobb, Coweta, Dawson, DeKalb, Douglas, 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 U.S. Census Bureau. As the Census Bureau has explained, "[m]etropolitan statistical areas 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." Source: https://www.census.gov/programs-surveys/metro-micro/about/glossary.html.

14. **Figure 1** reveals that Georgia's population growth since 2010 can be attributed entirely to gains in the overall minority population.

Figure 1
Georgia: Population by Race and Ethnicity (2010 Census to 2020 Census)

	2010 Population	Percent	2020 Population	Percent	2010–2020 Change (Persons)	2010–2020 Change (Percent)
Total Population	9,687,653	100.00%	10,711,908	100.00%	1,024,255	10.57%
NH White*	5,413,920	55.88%	5,362,156	50.06%	-51,764	-0.96%
Total Minority Population	**4,273,733**	**44.12%**	**5,349,752**	**49.94%**	**1,076,019**	**25.18%**
Latino	853,689	8.81%	1,123,457	10.49%	269,768	31.60%
NH Black*	2,910,800	30.05%	3,278,119	30.60%	367,319	12.62%
NH Asian*	311,692	3.22%	475,680	4.44%	163,988	52.61%
NH Hawaiian and Pacific Islander	5,152	0.05%	6,101	0.06%	949	18.42%
NH American Indian and Alaska Native*	21,279	0.22%	20,375	0.19%	-904	-4.25%
NH Other*	19,141	0.20%	55,887	0.52%	36,746	191.98%
NH Two or More Races*	151,980	1.57%	390,133	3.65%	238,153	156.70%
SR Black	2,950,435	30.46%	3,320,513	31.00%	370,078	12.54%
AP Black	**3,054,098**	**31.53%**	**3,538,146**	**33.03%**	**484,048**	**15.85%**

*Single race, non-Hispanic

15. Between 2010 and 2020, the Black population in Georgia increased by 484,048 persons. By contrast, during the same decade, the non-Hispanic White ("NH White") population fell by 51,764 persons.

16. Georgia's Black population, as a share of the overall statewide population, increased between 2010 and 2020, from 31.53% in 2010 to 33.03% in 2020.

17. Non-Hispanic Whites are a razor-thin majority of the state's 2020 population (50.06%). Black Georgians account for one-third (33.03%) of the population and comprise the largest minority population, followed by Latinos (10.49%).

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B. Georgia: Voting Age and Citizen Voting Age

18. As shown in **Figure 2**, 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 persons, of whom 2,607,986 (31.73%) are AP Black. The NH White VAP is 4,342,333 (52.82%).

Figure 2
Georgia: 2020 Voting Age and 2021 Estimated Citizen Voting Age Populations by Race and Ethnicity[4]

	2020 VAP (Persons)	2020 VAP (Percent)	2021 CVAP (Percent)
Total	8,220,274	100.00%	100.0%
NH White	4,342,333	52.82%	55.7%
Total Minority	**3,877,941**	**47.18%**	**44.3%**
Latino	742,918	9.04%	5.9%
SR Black	2,488,419	30.27%	31.4%
AP Black	**2,607,986**	**31.73%**	**33.3%**

19. The rightmost column in Figure 2 reveals that both the Black and NH White populations comprise a higher percentage of the citizen voting age population

[4] To prepare this table, I relied on the PL 94-171 redistricting file issued by the Census Bureau; Table S2901 of the 1-Year 2021 American Community Survey ("ACS"), available at https://data.census.gov/cedsci/table?q=S2901&g=0400000US13&tid=ACSST1Y2021.S2901; and the Public Use Microdata Sample of the 1-Year 2021 ACS, available at https://data.census.gov/mdat/#/search?ds=ACSPUMS1Y2021&vv=AGEP%2800,18%3A99%29&cv=RACBLK%281%29&rv=ucgid,CIT%281,2,3,4,%29&wt=PWGTP&g=0400000US13.

("CVAP") than the corresponding voting age population, owing to higher non-citizenship rates among other minority populations.

20. According to estimates from the 1-Year 2021 American Community Survey ("ACS"), African Americans represent 33.3% of the statewide CVAP—about 1.5 percentage points higher than the 2020 AP Black VAP. The NH White CVAP is 55.7%—nearly three percentage points higher than NH White VAP in the 2020 Census.

21. The Black CVAP in Georgia is poised to go up this decade. According to the 1-Year 2021 ACS, Black citizens of all ages represent 34.45% of all citizens.[5]

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[5] Source: https://data.census.gov/mdat/#/search?ds=ACSPUMS1Y2021&vv=AGEP&cv=RACBLK%281%29&rv=ucgid,CIT%281,2,3,4%29&wt=PWGTP&g=0400000US13.

C. Black Population as a Component of Total Population: 1990 to 2020

1. Georgia

22. As shown in **Figure 3**, 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 3
Georgia: Population by Race and Ethnicity (1990 Census to 2020 Census)

	1990 Population	Percent	2000 Population	Percent	2010 Population	Percent	2020 Population	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 Population	**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

23. Since 1990, the Black population has more than doubled: from about 1.75 million to 3.54 million, an increase that is the equivalent of the populations of more than two congressional districts. The NH White population has also increased, but at a much slower rate: from 4.54 million to 5.36 million, amounting to an increase of only about 18% over the three-decade period.

2. Metro Atlanta

24. **Exhibit C** is a Census Bureau-produced map showing boundaries for the Atlanta MSA, along with other metropolitan and micropolitan areas in Georgia.

25. **Figure 4** demonstrates that 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.

Figure 4
Metro Atlanta: Population by Race and Ethnicity (1990 Census to 2020 Census)

	1990 Population	Percent	2000 Population	Percent	2010 Population	Percent	2020 Population	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 Population	**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

26. According to the 1990 Census, the area that today comprises the 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 1.25 million in 2010 to 2.19 million in 2020.

27. According to the 2020 Census, a majority of Metro Atlanta residents are non-White, while NH Whites comprise 43.71% of the Metro Atlanta population. This is a major shift compared to the previous decade; in 2010, NH Whites represented 50.78% of the Metro Atlanta population.

28. According to the 2020 Census, the 11 core counties comprising the Atlanta Regional Commission ("ARC") service area[6] account for more than half (54.7%) of the statewide Black population. After expanding the region 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.

29. **Exhibit D** breaks down Black population changes from 2010 to 2020 by county for each of the 29 counties in Metro Atlanta.

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

30. **Figure 5** shows that the population gain in Metro Atlanta between 2010 and 2020 amounted to 803,087 persons—greater than the population of one of the state's congressional districts—with more than half of the gain coming from an increase in the Black population, which increased by 409,927 (or 23.07%). Meanwhile, over the same decade, the NH White population in Metro Atlanta fell by 22,736 persons.

Figure 5
Metro Atlanta: Population by Race and Ethnicity (2010 Census to 2020 Census)

	2010 Number	Percent	2020 Number	Percent	2010–2020 Change (Persons)	2010–2020 Change (Percent)
Total Population	5,286,728	100.00%	6,089,815	100%	803,087	15.19%
NH White*	2,684,571	50.78%	2,661,835	43.7%	-22,736	-0.85%
Total Minority Population	**2,602,157**	**49.22%**	**3,427,980**	**56.3%**	**825,823**	**31.74%**
Latino	547,894	10.36%	730,470	12.0%	182,576	33.32%
NH Black*	1,684,178	31.86%	2,019,208	33.16%	335,030	19.89%
NH Asian*	252,616	4.78%	397,009	6.52%	144,393	57.16%
NH Hawaiian and Pacific Islander*	2,075	0.04%	2,386	0.04%	311	14.99%
NH American Indian and Alaska Native*	10,779	0.20%	10,562	0.17%	-217	-2.01%
NH Other*	13,749	0.26%	39,254	0.64%	25,505	185.50%
NH Two or More Races*	126,322	2.39%	229,091	3.76%	102,769	81.35%
SR Black	1,712,121	32.39%	2,048,212	33.63%	336,091	19.63%
AP Black	**1,776,888**	**33.61%**	**2,186,815**	**35.91%**	**409,927**	**23.07%**

*Single race, non-Hispanic

31. As shown in **Figure 6**, according to the 2020 Census, the 29-county MSA has a total VAP of 4,654,322 persons, of whom 1,622,469 (34.86%) are AP Black. The NH White VAP is 2,156,625 (46.34%).

Figure 6
Metro Atlanta: 2020 Voting Age and 2021 Estimated Citizen Voting Age Populations by Race and Ethnicity[7]

	2020 VAP (Persons)	**2020 VAP (Percent)**	**2021 CVAP (Percent)**
Total	4,654,322	100.00%	100.00%
NH White	2,156,625	46.34%	49.8%
Total Minority	**2,426,643**	**53.66%**	**50.2%**
Latino	487,286	10.47%	6.6%
SR Black	1,541,370	33.12%	34.6%
AP Black	**1,622,469**	**34.86%**	**N/A**

32. According to estimates from the 1-Year 2021 ACS, SR African Americans represent 34.6% of the CVAP in Metro Atlanta—about 1.5 percentage points higher than the 2020 SR Black VAP. The NH White CVAP is 49.8%, about 3.5 percentage points higher than the NH White VAP in the 2020 Census.

33. Despite the significant Black population growth in Metro Atlanta, the region includes just three majority-Black districts under the 2021 Plan—CD 4, CD 5, and CD 13—the same number the region has had for the past two decades.

[7] To prepare this table, I relied on the PL 94-171 redistricting file issued by the U.S. Census Bureau and Table S2901 of the 1-Year 2021 ACS, available at https://data.census.gov/table?q=S2901&g=310XX00US12060. The Census Bureau does not publish a citizenship estimate for the AP Black CVAP at the MSA level.

34. As shown in **Figure 7**, over the two decades since the last majority-Black district (CD 13) was drawn, Metro Atlanta's population has grown by 1.8 million, with the Black population up by 938,006.

Figure 7
29-County MSA (Metro Atlanta): 2000 to 2020 Population Change

	2000 Population (Persons)	2000 Population (Percent)	2020 Population (Persons)	2020 Population (Percent)	2000–2020 Change (Persons)	2000–2020 Change (Percent)
Total Population	4,263,438	100.00%	6,089,815	100.00%	1,826,377	42.84%
NH White	2,576,109	60.42%	2,661,835	43.71%	85,726	3.33%
Total Minority Population	**1,687,329**	**39.58%**	**3,427,980**	**56.29%**	**1,740,651**	**103.16%**
Latino	270,655	6.35%	730,470	11.99%	459,815	169.89%
AP Black	**1,248,809**	**29.29%**	**2,186,815**	**35.91%**	**938,006**	**75.11%**

35. Given the dramatic increase in Georgia's Black population in Metro Atlanta during this century, the obvious focal point for determining whether an additional majority-Black district can be created in the state is indeed Metro Atlanta. And, as shown below, a new majority-Black district can readily be created in and around Cobb, Douglas, and Fulton Counties.

III. 2012 BENCHMARK PLAN AND 2021 PLAN

A. 2012 Benchmark Plan

36. **Exhibit E** contains a map packet depicting the 2012 Benchmark Plan, with corresponding 2010 Census statistics, prepared by the Georgia Legislative & Congressional Reapportionment Office ("GLCRO").

37. **Exhibit F** is a table that I prepared reporting 2020 Census population statistics for the 2012 Plan, as well as CVAP estimates from the Census Bureau's 2015–2019 Special Tabulation.[8]

B. 2021 Plan

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

39. Additional 2021 Plan information regarding compactness scores, county splits, municipal splits, and VTD[9] splits is reported for comparison with the Illustrative Plan described in the next section.

40. The 2021 Plan reduces CD 6's BVAP from 14.6% under the 2012 Benchmark Plan to 9.9%. This decrease occurred in an area that has experienced significant growth in the Black population since the 2010 Census. Notably, the area is adjacent to two majority-Black districts (CD 4 and CD 13) with Black citizen voting age populations ("BCVAP") in the 60% range under both the Benchmark 2012 Plan and the 2021 Plan.

41. According to the 2020 Census, the BVAP in the (by then overpopulated) Benchmark 2012 CD 13 was 62.65%. Under the 2021 Plan, the BVAP in CD 13

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

[9] "VTD" is a U.S. Census Bureau term; VTDs generally correspond to precincts. Statewide, in 2020, there were 2,698 VTDs in Georgia.

jumps to 66.75%. Indeed, the BVAP in CD 13 has steadily increased over the past two decades. According to the 2010 Census, under the then-overpopulated Benchmark 2006 Plan, the BVAP in CD 13 stood at 55.70%.

42. As shown in **Figure 8**, based on the 2020 Census, the combined Black population in Cobb, Fulton, Douglas, and Fayette Counties is 807,076 persons, more than necessary to constitute an *entire* congressional district—or, put differently, a majority in two congressional districts.

Figure 8
Four-County Area: 2010 Census to 2020 Census Population and Black Population Changes

	2020 Population	**2020 Black Population**	**2010–2020 Population Change**	**2010–2020 Black Population Change**	**Black Population Change as Percentage of Total Change**
Cobb	766,149	223,116	78,071	42,151	53.99%
Douglas	144,237	74,260	11,834	20,007	169.06%
Fayette	119,194	32,076	12,627	9,578	75.85%
Fulton	1,066,710	477,624	146,129	60,732	41.56%
Total	**2,096,290**	**807,076**	**248,661**	**132,468**	**53.27%**

43. More than half (53.27%) of the total population increase in the four counties since 2010 can be attributed to the increase in the Black population. Building off this growth, the Illustrative Plan described in the next section shows how an additional majority-Black congressional district can be drawn in the area encompassing Cobb, Fulton, Douglas, and Fayette Counties—with no meaningful

impact on compactness and fewer splits of political subdivisions (i.e., counties, VTDs, and municipalities).

44. Indeed, that an additional majority-Black district can readily be drawn in this four-county area is confirmed by the composition of newly enacted Georgia State Senate districts in Metro Atlanta. The enacted 2021 Senate Plan includes three majority-Black districts that encompass parts of western Fulton County, southern Cobb County, and eastern Douglas County, and a fourth racially diverse Senate district in Cobb County.

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45. With respect to ideal district population size, four Senate districts are exactly the equivalent of one congressional district, given that 56 (the number of Senate districts) divided by 14 (the number of congressional districts) equals four. And, as shown in **Figure 9** below, there is ample room to create an additional majority-Black congressional district in the three-county area generally defined by three majority-Black and one racially diverse Senate districts in the enacted 2021 Senate Plan: SD 39 (approximately 61% BVAP), SD 35 (72% BVAP), SD 38 (60% BVAP), and Cobb County SD 42 (43% BVAP).

Figure 9
2021 Plan with Partial Senate Plan Overlay (Red Lines)

46. **Figure 10** below is a preview of the Illustrative Plan described in the next section. Note how majority-Black Illustrative CD 6 closely aligns with the four Senate districts displayed in Figure 8, and then extends west to include all of Douglas County, south to include all of southern Fulton County, and north into racially diverse areas of Cobb County.

Figure 10
Illustrative Plan with Partial Senate Plan Overlay (Red Lines)

IV. Illustrative Plan

A. Traditional Redistricting Principles

47. The Illustrative Plan I have prepared demonstrates that the Black population is sufficiently numerous and geographically compact to allow for the creation of an additional majority-Black congressional district in Metro Atlanta.

48. The Illustrative Plan adheres to traditional redistricting principles, including population equality, compactness, contiguity, respect for political subdivision boundaries, respect for communities of interest, and the non-dilution of minority voting strength.

49. I drew the Illustrative Plan to follow, to the extent possible, county boundaries. Where counties are split to comply with one-person, one-vote requirements, 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, municipal boundaries, census block groups, and post-2020 Census county commission districts.

50. In drafting the Illustrative Plan, I sought to minimize changes to the 2021 Plan while abiding by all of the traditional redistricting principles listed above. I balanced all of these considerations, and no one factor predominated in my drawing of the Illustrative Plan.

51. The result leaves intact six congressional districts in the enacted plan, modifying only eight districts in the 2021 Plan to create an additional majority-Black district (Illustrative CD 6) encompassing all of Douglas County and parts of Cobb, Fayette, and Fulton Counties. The eight districts that are changed under the Illustrative Plan are CD 3, CD 4, CD 6, CD 9, CD 10, CD 11, CD 13, and CD 14.

52. The districts in the Illustrative Plan are also contiguous.

53. As shown in **Figure 11**, the Illustrative Plan abides by the one-person, one-vote principle. Like the 2021 Plan, population deviations in the Illustrative Plan are plus or minus one person from the ideal population size of 765,136.

Figure 11
Illustrative Plan Population Summary

District	Population	Deviation	AP Black	% AP Black	Latino	% Latino	NH White	% NH White
1	765,137	1	230,783	30.16%	59,328	7.75%	440,636	57.59%
2	765,137	1	393,195	51.39%	45,499	5.95%	305,611	39.94%
3	765,135	-1	166,096	21.71%	49,935	6.53%	517,659	67.66%
4	765,136	0	410,019	53.59%	87,756	11.47%	212,004	27.71%
5	765,137	1	392,822	51.34%	56,496	7.38%	273,819	35.79%
6	765,137	1	396,891	51.87%	108,401	14.17%	225,985	29.54%
7	765,137	1	239,717	31.33%	181,851	23.77%	225,905	29.52%
8	765,136	0	241,628	31.58%	54,850	7.17%	443,123	57.91%
9	765,136	0	94,059	12.29%	128,393	16.78%	429,340	56.11%
10	765,137	1	118,199	15.45%	61,244	8.00%	548,312	71.66%
11	765,137	1	110,368	14.42%	81,466	10.65%	492,121	64.32%
12	765,136	0	294,961	38.55%	43,065	5.63%	398,843	52.13%
13	765,135	-1	404,963	52.93%	71,377	9.33%	253,135	33.08%
14	765,135	-1	44,445	5.81%	93,796	12.26%	595,663	77.85%
Total	**10,711,908**	**N/A**	**3,538,146**	**33.03%**	**1,123,457**	**10.49%**	**5,362,156**	**50.06%**

54. **Exhibit I-1** contains additional voting age and citizen voting age summaries by district.

B. Illustrative Plan Overview

55. The map in **Figure 12** depicts Metro Atlanta with an overlay of the Illustrative Plan. CD 6, the additional majority-Black district, is anchored in Cobb, Douglas, and Fulton Counties, along with a small part of Fayette County.

Figure 12
Illustrative Plan: Metro Atlanta

56. **Exhibit H-1** is a higher resolution of the Figure 10 map. **Exhibit H-2** is a statewide map that displays all 14 districts under the Illustrative Plan.

57. **Exhibit I-1** is a table reporting 2020 Census population statistics for the Illustrative Plan, as well as CVAP estimates from the Census Bureau's 2016–2020 Special Tabulation.[10]

58. **Exhibit I-2** is a set of maps depicting the Illustrative Plan, zooming in on each of the 14 districts under the Illustrative Plan. Districts in the 2021 Plan that do not change are displayed with red line boundaries.

59. **Exhibit I-3** details district assignments by county population in the Illustrative Plan.

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[10] In the summary population exhibits by plan that I have prepared, I also report the NH DOJ Black CVAP metric. The NH DOJ Black CVAP category includes voting age citizens who are either NH SR Black or NH Black and White. An "Any Part Black CVAP" category that would include Black Hispanics cannot be calculated from the 5-Year ACS Census Bureau Special Tabulation. 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 2016–2020 Special Tabulation, with a survey midpoint of July 1, 2018. Source: https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html. The 2016–2020 estimates reflect 2020 Census population distribution. The 2017–2021 CVAP estimates will be released by the Census Bureau in early 2023.

60. For comparison, the map in **Figure 13** depicts Metro Atlanta and surrounding counties with an overlay of the 2021 Plan. The 2021 Plan splits majority-non-White Cobb County into parts of four districts: from south to north, CD 13, CD 14, CD 11, and CD 6. Southwest Cobb County is in CD 14, which stretches all the way to the suburbs of Chattanooga.

Figure 13
2021 Plan: Metro Atlanta

61. **Exhibit J-1** is a higher resolution of the **Figure 10** map. **Exhibit J-2** is a statewide map that displays all 14 districts under the 2021 Plan.

62. For comparison, **Exhibit K-1** is a table reporting 2020 Census population statistics for the 2021 Plan, as well as CVAP estimates from the Census Bureau's 2016–2020 Special Tabulation.

63. **Exhibit K-2** is a set of maps depicting the 2021 Plan, zooming in on each of the 14 districts under the 2021 Plan.

64. **Exhibit K-3** details district assignments by county population in the 2021 Plan.

C. Communities of Interest

65. In the development of the Illustrative Plan, I prioritized keeping counties whole and minimizing unnecessary county splits. For example, as Illustrative CD 6 (which includes just three Cobb County splits) makes clear, there is no reason to split Cobb County into four pieces (i.e., four splits), as under the 2021 Plan.

66. I also endeavored to keep municipalities intact and avoid splitting VTDs (in that order of priority) wherever possible. In many instances there are geographic conflicts between municipality lines and VTD lines, such that keeping one geographic level whole might require splitting the other.

67. These three levels of geography—counties, municipalities, and VTDs—together with census tracts and census block groups are the best way to achieve a quantifiable measure of the extent to which a redistricting plan respects communities of interest.

68. Going beyond these quantifiable measures of communities of interest, it simply makes more sense to anchor Illustrative CD 6 in the western part of Metro Atlanta. As the Illustrative Plan demonstrates, CD 6 can be drawn in a compact fashion that keeps Atlanta-area urban/suburban/exurban voters together. In sharp contrast, the 2021 Plan—its treatment of Cobb County in particular—inexplicably mixes Appalachian North Georgia with urban/suburban Metro Atlanta. In some redistricting plans, it might be necessary to mix urban and rural voters in a sprawling congressional district. But that is not the case here: Cobb County can be combined in a congressional district with all or part of Douglas, Fulton, and Fayette Counties, all of which are core Metro Atlanta counties under the Atlanta Regional Commission map. Illustrative CD 6 thus unites Georgians in the Metro Atlanta area with shared interests and concerns.

69. In Cobb County, the Illustrative Plan assigns all but noncontiguous zero-population areas of Marietta to CD 6. Kennesaw (population 33,036) is split between CD 6 and CD 11.[11] (See **Exhibit M-3**.) By contrast, the 2021 Plan divides populated areas of Marietta (population 60,972) between CD 6 and CD 11 and also divides

[11] I placed the east end of Kennesaw in Illustrative CD 6—namely, two whole VTDs (Big Shanty 01 and Kennesaw 1A) and part of another (Kennesaw 3A). Big Shanty 01 contains a group of noncontiguous populated blocks surrounded by the oddly shaped Kennesaw 3A; I split Kennesaw 3A following two census-defined block group boundaries.

populated areas of Smyrna (population 55,663) between CD 11 and CD 13. (See **Exhibit M-4**.)

70. Douglas County is entirely in CD 6 in the Illustrative Plan. The 2021 Plan divides Douglas County between CD 6 and CD 11, splitting Douglasville (population 34,650). (See **Exhibit M-4**.)

71. In Fulton County, the Illustrative Plan and the 2021 Plan follow the boundary of CD 5, which is identical in both plans.

72. Illustrative CD 6 extends into Fayette County to ensure that CD 13 is not overpopulated. In order to meet zero-deviation requirements, the dividing line between Illustrative CD 6 and Illustrative CD 13 generally follows the municipal boundary of Tyrone (population 7,658). (See **Exhibit M-3**.) By contrast, in Fayette County, the 2021 Plan divides populated areas of Fayetteville (population 18,957) between CD 13 and CD 3. (See **Exhibit M-4**.)

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D. BVAP and BCVAP by District

73. Notably, the Illustrative Plan does not reduce the number of preexisting majority-Black districts in the 2021 Plan. For reference, **Figure 14** compares BVAP and BCVAP under the Illustrative Plan and the 2021 Plan. The eight districts that change are identified with a bolded font.

Figure 14
BVAP and BCVAP Comparison: Illustrative Plan and 2021 Plan

	Illustrative Plan				2021 Plan		
District*	**% BVAP**	**% NH BCVAP**	**% NH DOJ BCVAP**		**% BVAP**	**% NH BCVAP**	**% NH DOJ BCVAP**
1	28.17%	29.16%	29.67%		28.17%	29.16%	29.67%
2	49.29%	49.55%	50.001%		49.29%	49.55%	50.001%
3	**20.47%**	**19.64%**	**20.02%**		**23.32%**	**22.53%**	**22.86%**
4	**52.77%**	**55.62%**	**56.37%**		**54.52%**	**57.71%**	**58.46%**
5	49.60%	51.64%	52.35%		49.60%	51.64%	52.35%
6	**50.23%**	**50.18%**	**50.98%**		**9.91%**	**9.72%**	**10.26%**
7	29.82%	31.88%	32.44%		29.82%	31.88%	32.44%
8	30.04%	30.46%	30.76%		30.04%	30.46%	30.76%
9	**11.66%**	**11.29%**	**11.74%**		**10.42%**	**10.03%**	**10.34%**
10	**14.31%**	**15.09%**	**15.39%**		**22.60%**	**22.11%**	**22.56%**
11	**13.67%**	**12.91%**	**13.48%**		**17.95%**	**17.57%**	**18.30%**
12	36.72%	36.60%	37.19%		36.72%	36.60%	37.19%
13	**51.13%**	**49.64%**	**50.34%**		**66.75%**	**66.36%**	**67.05%**
14	**5.17%**	**4.80%**	**5.19%**		**14.28%**	**13.19%**	**13.71%**

*Bold font identifies districts that are changed from the 2021 Plan configuration.

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E. VAP by Race in Majority-Black and Majority-White Districts

74. As shown in **Figure 15**, only about half (49.96%) of Black voters in Georgia reside in a majority-Black congressional district under the 2021 Plan. Under the Illustrative Plan, 57.48% of the Black VAP would reside in a majority-Black district—still far lower than the corresponding 75.50% NH White VAP residing in majority-White districts.

Figure 15
Same-Race VAP in Majority-Black and Majority-White Districts: 2021 Plan and Illustrative Plan

Redistricting Plan	% Black VAP in Majority-Black Districts	%NH White VAP in Majority-White Districts	Difference (% Black VAP minus % NH White VAP)
2021 Plan	49.96%	82.47%	-32.51%
Illustrative Plan	57.48%	75.50%	-18.01%

F. Online Interactive Map

75. The Illustrative Plan can be viewed in detail and analyzed on the Dave's Redistricting website at the following link: https://davesredistricting.org/join/acc0684b-36b9-4b85-8049-ffb67a63aa57.

76. For comparison, the 2021 Plan can also be viewed and analyzed on the Dave's Redistricting website at the following link: https://davesredistricting.org/join/385b8d71-ecdb-4767-80d9-ebd75b8d8c63.

77. Alternatively, the Illustrative Plan can be viewed with a red-line overlay of the 2021 Plan on the Maptitude Online website at the following link: https://online.caliper.com/mas-874-drp-290-ujr/maps/lahchqqg000g8gqi3qx9.

G. Supplemental Plan Information and Comparisons

78. Compactness scores for the Illustrative Plan are about the same as the 2021 Plan—and within the norm in Georgia and elsewhere.[12] **Exhibit L-1** contains compactness scores generated by Maptitude for the Illustrative Plan. Corresponding scores for the 2012 Benchmark Plan and 2021 Plan are in **Exhibit L-2** and **Exhibit L-3**.

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[12] See, for example, the comparison of compactness scores across all states by the geospatial firm Azavea in their white paper titled *Redrawing the Map on Redistricting: 2012 Addendum*, available at: https://redistricting.azavea.com/assets/pdfs/Azavea_Redistricting-White-Paper-Addendum-2012_sm.pdf.

79. **Figure 13** (condensed from the Exhibit L series) is a summary, reporting the mean averages and low scores for the Reock[13] and Polsby-Popper[14] metrics under both the Illustrative Plan and the 2021 Plan.

Figure 13
Compactness Comparison: Illustrative Plan, 2012 Benchmark, and 2021 Plan

	Reock		**Polsby-Popper**	
	Mean	**Low**	**Mean**	**Low**
Illustrative Plan	.43	.28	.27	.18
2012 Benchmark	.45	.33	.26	.16
2021 Plan	.44	.31	.27	.16

80. **Exhibit M-1** contains a county and VTD split report generated by Maptitude for the Illustrative Plan. **Exhibit M-2** and **Exhibit M-3** are corresponding split reports for the 2012 Benchmark Plan and the 2021 Plan. **Exhibit M-4** contains the Illustrative Plan's municipal split report for the 531 incorporated cities and towns. **Exhibit M-5** and **Exhibit M-6** are corresponding split reports for the 2012 Benchmark Plan and the 2021 Plan.

[13] As the Maptitude for Redistricting software documentation (authored by the Caliper Corporation) explains, "[t]he 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."

[14] As the Maptitude for Redistricting software documentation (authored by the Caliper Corporation) explains, "[t]he 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."

81. **Figure 14** summarizes county, 2020 VTD, and municipal splits under the Illustrative Plan, the 2012 Benchmark Plan, and the 2021 Plan.

Figure 14
County, VTD, and Municipal Splits: Illustrative Plan, 2012 Benchmark, and 2021 Plan (All Districts)

	Split Counties*	County Splits*	2020 VTD Splits*	Split Cities/ Towns#	City/ Town Splits*
Illustrative Plan	15	18	43	37	78
2012 Benchmark Plan	16	22	43	40	85
2021 Plan	15	21	46	43	91

*****Excludes unpopulated areas
#Out of 531 municipalities (calculated by subtracting the number of whole cities in the Maptitude report from 531)

82. The Illustrative Plan and 2021 Plan both split 15 counties. But, as Figure 14 reveals, the Illustrative Plan is superior across the other four categories: **(1)** total county splits (counting multiple splits, i.e., unique county-district combinations in a single county)—18 vs. 21 splits; **(2)** 2020 VTD splits (counting multiple splits and excluding unpopulated areas)—43 vs. 46 splits, **(3)** split municipalities (out of 531)—37 vs. 43 splits; and **(4)** total municipal splits (excluding unpopulated areas)—78 vs. 91 splits.

H. County and Municipal Socioeconomic Characteristics

83. For background on socioeconomic characteristics by race and ethnicity at the state, MSA, county, municipal, and unincorporated-community levels in

Georgia, I have prepared charts based on the 5-Year 2015–2019 ACS. That data is available online.[15]

84. In addition, I have prepared charts and reproduced the U.S. Census Bureau's Table S0201[16] statistical summaries of socioeconomic characteristics from the 1-Year 2021 ACS for Georgia, the two most populous MSAs in the state (Atlanta and Augusta-Richmond County), and the four most populous counties of the Atlanta MSA (Cobb, Dekalb, Fulton, and Gwinnett). Statistics for other, less populous counties are not available in the S0201 series.

85. These charts and data tables document that socioeconomic disparities by race exist at the county and municipal levels throughout Georgia. In an almost unbroken fashion, NH Whites maintain higher levels of socioeconomic well-being.

V. CONCLUSION

86. The Black population in Metro Atlanta is sufficiently numerous and geographically compact to allow for the creation of an additional majority-Black congressional district consistent with traditional redistricting principles, anchored in

[15] The county-level data is available at http://www.fairdata2000.com/ACS_2015_19/Georgia; the community-level data is available at http://www.fairdata2000.com/ACS_2015_19/Georgia/00_Places_2500+; and the state-, metro counties-, and MSA-level data is available at http://www.fairdata2000.com/ACS_2021/Georgia.

[16] The full S0201 data is available at https://data.census.gov/cedsci/table?text=s0201&t=001%3A005%3A451&g=0400000US13,13%240500000_0500000US13067,13089,13121,13135_310XX00US12060,12260&y=2021.

Cobb, Fulton and Douglas Counties, without reducing the number of majority-Black districts in the 2021 Plan.

87. The Illustrative Plan creates an additional majority-Black district in Metro Atlanta, where the Black population has increased by 938,006 persons since 2000—accounting for 75.1% of the statewide Black population increase this century—and where, according to the Governor's Office of Planning and Budget, the Black population will continue to increase over the course of this decade.[17]

# # #

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

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

I declare under penalty of perjury that the foregoing is true and correct.

Executed on: December 5, 2022

Bill Cooper

WILLIAM S. COOPER

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT A

November 30, 2022

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 2022, 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-2020 Redistricting Experience

Since the release of the 2020 Census, three county commission-level plans I developed as a private consultant have been adopted by local governments in San Juan County, Utah, Bolivar County, Miss., and Washington County, Miss. In addition, a school board plan I developed was adopted by the Jefferson County, Alabama Board of Education (*Stout v. Jefferson County*).

In 2022, I have testified at trial in seven Sec. 2 lawsuits: Alabama (Congress), Arkansas (Supreme and Appellate Courts), Florida (voter suppression), Georgia (State

House, State Senate, and Congress), Louisiana (Congress) and Maryland (Baltimore County Commission).

2010s Redistricting Experience

I 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.

<u>Post-2010 Demographics Experience</u>

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
Caster v. Merrill (2022)
Chestnut v Merrill (2019)

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

Arkansas
The Christian Ministerial Alliance v. Hutchinson (2022)

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

Florida

NAACP v. Lee (2022)
Baroody v. City of Quincy (2020)

Georgia
Pendergrass v. Raffensperger (2022)
Alpha Phi Alpha v. Raffensperger (2022)
Cofield v. City of LaGrange (1996)
Love v. Deal (1995)
Askew v. City of Rome (1995)
Woodard v. Lumber City (1989)

Louisiana
Galmon v. Ardoin (2022)
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
NAACP v. Baltimore County (2022)
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
Baltimore County NAACP v. Baltimore County (2022)
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

# # #

DECLARATION OF WILLIAM S. COOPER:
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 1990-2020 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 and used 2020 block-level disaggregated citizenship data (2015-2019 ACS and 2016-2020 ACS) from the Redistricting Data Hub via https://redistrictingdatahub.org/

6. The attorneys for the plaintiffs provided me with incumbent addresses.

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. In addition, I obtained shapefiles for the House, Senate, and Congressional plans in effect during the early 2000's from the American Redistricting Project.
https://thearp.org/blog/map-archive/

9. 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.

10. I also reviewed and used data from the American Community Survey ("ACS") conducted by the Census Bureau – specifically, the 1-year 2021 ACS, the 5-year 2015-2019 ACS, and the 5-year 2016-2020 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

# # #

DECLARATION OF WILLIAM S. COOPER:
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

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT D

Metro Atlanta Black Population Change 2010-2020 by County

Illustrative District 6 Counties with Highlight

County (Metro Atlanta in Bold)	2020 Pop	AP Black	Latino	NH White	18+ Pop	18+ AP Black	18+ Latino	NH18+ White	2010 -2020 Change: Pop Change	Black Pop Change	18+ Pop Change	Black 18+Pop change	% Black 18+Pop change
BARROW	83505	11907	10560	55582	62195	8222	6726	43241	14138	3287	12417	2553	45.0%
BARTOW	108901	13395	10751	80159	83570	9377	6817	63759	8744	2365	10213	2083	28.6%
BUTTS	25434	7212	803	16628	20360	5660	559	13510	1779	595	2030	564	11.1%
CARROLL	119148	24618	9586	80725	90996	17827	6129	63803	8621	3049	8593	2916	19.6%
CHEROKEE	266620	21687	32111	197867	202928	14976	20915	156155	52274	7817	47502	6222	71.1%
CLAYTON	297595	216351	42546	25902	220578	158854	27378	23396	38171	40374	36133	37475	30.9%
COBB	766149	223116	111240	369182	591848	166141	74505	303300	78071	42151	80257	41430	33.2%
COWETA	146158	28289	11053	99421	111155	20196	7384	78073	18841	5130	18670	4501	28.7%
DAWSON	26798	392	1605	23544	21441	249	1047	19183	4468	203	4194	146	141.7%
DEKALB	764382	407451	81471	215895	595276	314230	55506	180161	72489	22898	68519	34330	12.3%
DOUGLAS	144237	74260	16035	49877	108428	53377	10212	41416	11834	20007	13558	17860	50.3%
FAYETTE	119194	32076	9480	68144	91798	23728	6168	55102	12627	9578	13330	8373	54.5%
FORSYTH	251283	13222	25226	159407	181193	8751	16204	122017	75772	7917	59087	5460	165.9%
FULTON	1066710	477624	86302	404793	847182	368635	61914	340541	146129	60732	146287	62029	20.2%
GWINNETT	957062	287687	220460	310583	709484	202762	146659	252041	151741	86155	138870	71745	54.8%
HARALSON	29919	1541	497	26825	22854	1106	323	20617	1139	13	1307	44	4.1%
HEARD	11412	1142	253	9589	8698	832	153	7407	-422	-101	-88	-60	-6.7%
HENRY	240712	125211	18437	86297	179973	89657	12030	69744	36790	46914	35708	38225	74.3%
JASPER	14588	2676	684	10771	11118	1966	402	8400	688	-466	693	-306	-13.5%
LAMAR	18500	5220	475	12344	14541	4017	323	9852	183	-611	93	-577	-12.6%
MERIWETHER	20613	7547	475	12084	16526	5845	299	9994	-1379	-1204	-256	-393	-6.3%
MORGAN	20097	4339	712	14487	15574	3280	434	11452	2229	20	2145	160	5.1%
NEWTON	112483	55901	7164	46746	84748	40433	4561	37631	12525	13634	13663	12748	46.0%
PAULDING	168661	41296	12564	108444	123998	28164	7974	83066	26337	15231	24768	11767	71.8%
PICKENS	33216	512	1198	30122	26799	319	755	24626	3785	124	4005	81	34.0%
PIKE	18889	1613	348	16313	14337	1254	207	12422	1020	-333	1306	-210	-14.3%
ROCKDALE	93570	57204	9540	24500	71503	41935	6089	21457	8355	16468	9202	14643	53.7%
SPALDING	67306	24522	3666	37105	52123	17511	2377	30612	3233	2894	4261	2752	18.6%
WALTON	96673	18804	5228	68499	73098	13165	3236	53647	12905	5086	11918	4068	44.7%
29-County MSA	**6,089,815**	**2,186,815**	**730,470**	**2,661,835**	**4,654,322**	**1,622,469**	**487,286**	**2,156,625**	**803,087**	**409,927**	**768,385**	**380,629**	**30.7%**

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT E

Georgia Congressional Districts

Client: State
Plan: Congress12
Type: Congress

Legislative & Congressional Reapportionment Office
Georgia General Assembly

Map layers
Districts
County
0 20 40 60
Miles

Georgia Congressional Districts

Client: State
Plan: Congress12
Type: Congress

Georgia Congressional Districts

Client: State
Plan: Congress12
Type: Congress

Plan Name: **Congress12** Plan Type : **Congress** User: **staff** Administrator: **State**

DISTRICT		POPULATION	DEVIATION	% DEVIATION	BLACK	% BLACK	BLACK COMBO	TOTAL BLACK	%TOTAL BLACK	HISP. OR LATINO	%HISP
001		691,974	-1	0.00%	207,711	30.02%	8,443	216,154	31.24%	39,767	5.75%
	VAP	518,743			147,082	28.35%	3,105	150,187	28.95%	25,656	4.95%
002		691,976	1	0.00%	354,925	51.29%	6,835	361,760	52.28%	31,577	4.56%
	VAP	516,392			252,570	48.91%	2,847	255,417	49.46%	20,824	4.03%
003		691,974	-1	0.00%	159,578	23.06%	7,034	166,612	24.08%	34,910	5.04%
	VAP	511,518			112,315	21.96%	2,247	114,562	22.40%	22,243	4.35%
004		691,976	1	0.00%	397,911	57.50%	10,608	408,519	59.04%	64,605	9.34%
	VAP	503,508			278,767	55.36%	5,240	284,007	56.41%	41,041	8.15%
005		691,976	1	0.00%	409,269	59.14%	9,031	418,300	60.45%	54,614	7.89%
	VAP	541,900			306,497	56.56%	5,708	312,205	57.61%	37,210	6.87%
006		691,975	0	0.00%	86,265	12.47%	6,771	93,036	13.44%	92,409	13.35%
	VAP	519,046			64,149	12.36%	3,330	67,479	13.00%	62,253	11.99%
007		691,975	0	0.00%	125,010	18.07%	8,298	133,308	19.26%	129,930	18.78%
	VAP	489,868			83,770	17.10%	3,453	87,223	17.81%	82,112	16.76%
008		691,976	1	0.00%	204,995	29.62%	5,455	210,450	30.41%	39,578	5.72%
	VAP	518,240			145,966	28.17%	1,898	147,864	28.53%	25,129	4.85%
009		691,975	0	0.00%	46,065	6.66%	3,675	49,740	7.19%	79,413	11.48%
	VAP	520,856			33,384	6.41%	1,014	34,398	6.60%	46,597	8.95%
010		691,976	1	0.00%	172,398	24.91%	5,577	177,975	25.72%	32,589	4.71%
	VAP	521,343			123,759	23.74%	1,963	125,722	24.12%	20,668	3.96%
011		691,975	0	0.00%	107,707	15.57%	7,554	115,261	16.66%	75,109	10.85%
	VAP	512,598			76,732	14.97%	3,130	79,862	15.58%	47,452	9.26%
012		691,975	0	0.00%	238,190	34.42%	7,297	245,487	35.48%	36,890	5.33%
	VAP	518,253			169,848	32.77%	2,741	172,589	33.30%	23,384	4.51%
013		691,976	1	0.00%	382,493	55.28%	11,657	394,150	56.96%	71,303	10.30%
	VAP	495,652			262,130	52.89%	5,163	267,293	53.93%	43,142	8.70%
014		691,974	-1	0.00%	57,918	8.37%	5,428	63,346	9.15%	70,995	10.26%
	VAP	508,184			40,501	7.97%	1,480	41,981	8.26%	41,291	8.13%

Plan Name: **Congress12** Plan Type : **Congress** User: **staff** Administrator: **State**

DISTRICT	POPULATION	DEVIATION	% DEVIATION	BLACK	% BLACK	BLACK COMBO	TOTAL BLACK	%TOTAL BLACK	HISP. OR LATINO	%HISP

Total Population: 9,687,653

Ideal Value: 691,975

Summary Statistics

Population Range: 691,974 to 691,976

Absolute Overall Range: 2

Relative Range: 0.00% to 0.00%

Relative Overall Range: 0.00%

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT F

Population Summary Report

Georgia U.S. House -- 2020 Census -- 2012 Benchmark Plan

District	Population	Deviation	% Deviation	AP Black	% AP Black	Latino	% Latino	NH White	% NH White
01	755781	-9355	-1.22%	230595	30.51%	59037	7.81%	431902	57.15%
02	673028	-92108	-12.04%	357993	53.19%	38403	5.71%	259967	38.63%
03	763075	-2061	-0.27%	210025	27.52%	49428	6.48%	467888	61.32%
04	773761	8625	1.13%	478654	61.86%	84862	10.97%	160581	20.75%
05	788126	22990	3.00%	450410	57.15%	65869	8.36%	229087	29.07%
06	765793	657	0.09%	111594	14.57%	107495	14.04%	425616	55.58%
07	859440	94304	12.33%	192903	22.45%	179379	20.87%	327075	38.06%
08	719919	-45217	-5.91%	234178	32.53%	49867	6.93%	410808	57.06%
09	775367	10231	1.34%	58090	7.49%	102240	13.19%	580920	74.92%
10	775012	9876	1.29%	204453	26.38%	52350	6.75%	480661	62.02%
11	802515	37379	4.89%	147155	18.34%	101218	12.61%	501446	62.48%
12	738624	-26512	-3.47%	270885	36.67%	49500	6.70%	390796	52.91%
13	792916	27780	3.63%	509032	64.20%	95919	12.10%	164627	20.76%
14	728551	-36585	-4.78%	82179	11.28%	87890	12.06%	530782	72.85%
Total	**10711908**		**24.37%**	**3538146**	**33.03%**	**1123457**	**10.49%**	**5362156**	**50.06%**

District	18+ Pop	18+ SR Black	% 18+ SR Black	18+ AP Black	% 18+ AP Black	18+ Latino	% 18+ Latino	18+ NH White	% 18+ NH White
01	582105	157603	27.07%	165850	28.49%	39826	6.84%	349176	59.99%
02	518145	257952	49.78%	264896	51.12%	25509	4.92%	214262	41.35%
03	583475	144198	24.71%	151383	25.95%	32235	5.52%	373021	63.93%
04	587002	342687	58.38%	357025	60.82%	55810	9.51%	136384	23.23%
05	635913	337506	53.07%	350672	55.14%	47194	7.42%	200864	31.59%
06	589600	76565	12.99%	85256	14.46%	72875	12.36%	342630	58.11%
07	635791	125592	19.75%	136048	21.40%	120021	18.88%	261700	41.16%
08	549306	163622	29.79%	169305	30.82%	32639	5.94%	328086	59.73%
09	603376	37833	6.27%	41315	6.85%	64783	10.74%	471167	78.09%
10	599155	143138	23.89%	149396	24.93%	34397	5.74%	386676	64.54%
11	622759	100488	16.14%	109414	17.57%	67723	10.87%	404958	65.03%
12	565091	189400	33.52%	197124	34.88%	32450	5.74%	313867	55.54%
13	596630	359769	60.30%	373783	62.65%	62186	10.42%	140659	23.58%
14	551926	52066	9.43%	56519	10.24%	55270	10.01%	418883	75.89%
Total	**8220274**	**2488419**	**30.27%**	**2607986**	**31.73%**	**742918**	**9.04%**	**4342333**	**52.82%**

District	% NH Single-Race Black CVAP*	% Latino CVAP	% NH Single-Race Asian CVAP*	% SR NH White CVAP
001	30.09%	4.47%	1.55%	62.88%
002	51.78%	2.96%	1.00%	43.47%
003	24.88%	3.61%	1.60%	69.06%
004	63.91%	3.95%	3.45%	27.85%
005	59.21%	3.50%	3.41%	33.18%
006	15.20%	5.78%	8.07%	70.14%
007	22.46%	9.90%	11.84%	54.91%
008	31.28%	3.20%	1.28%	63.51%
009	7.15%	5.32%	1.12%	85.39%
010	25.49%	3.29%	1.89%	68.68%
011	17.37%	5.62%	2.67%	73.54%
012	35.23%	3.75%	1.45%	58.83%
013	61.85%	5.45%	2.46%	29.45%
014	9.57%	5.27%	0.85%	83.31%

Note: Citizen Voting Age Population (CVAP) percentages are disaggregated from block-group level ACS estimates (with a survey midpoint of July 2017)

Source for CVAP disaggregation: Redistricting Data Hub

https://redistrictingdatahub.org/dataset/georgia-cvap-data-disaggregated-to-the-2020-block-level-2019/

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT G

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

Proposed Joint Congressional Districts of Georgia

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

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

Proposed Joint Congressional Districts of Georgia

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

Proposed Joint Congressional Districts of Georgia

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

Population Summary

Summary Statistics:

Population Range:	765,135 to 765,137
Ratio Range:	0.00
Absolute Range:	-1 to 1
Absolute Overall Range:	2
Relative Range:	0.00% to 0.00%
Relative Overall Range:	0.00%
Absolute Mean Deviation:	0.71
Relative Mean Deviation:	0.00%
Standard Deviation:	0.80

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	765,137	1	0.00%	589,266	77.01%	57.59%	27.54%	7.75%	2.19%	0.24%	0.16%	0.44%	4.1%
002	765,137	1	0.00%	587,555	76.79%	39.94%	49.03%	5.95%	1.34%	0.21%	0.1%	0.34%	3.09%
003	765,136	0	0.00%	586,319	76.63%	64.37%	22.61%	6.31%	2.09%	0.21%	0.04%	0.47%	3.91%
004	765,135	-1	0.00%	589,470	77.04%	25.82%	52.19%	11.63%	6.13%	0.16%	0.04%	0.65%	3.39%
005	765,137	1	0.00%	621,515	81.23%	35.79%	48.53%	7.38%	4.09%	0.16%	0.04%	0.52%	3.49%
006	765,136	0	0.00%	574,797	75.12%	63.7%	8.58%	10.23%	12.4%	0.16%	0.04%	0.69%	4.21%
007	765,137	1	0.00%	566,934	74.1%	29.52%	28.11%	23.77%	14.26%	0.16%	0.04%	0.69%	3.45%
008	765,136	0	0.00%	585,857	76.57%	57.91%	29.72%	7.17%	1.56%	0.19%	0.05%	0.31%	3.09%
009	765,137	1	0.00%	592,520	77.44%	64.7%	9.72%	15.39%	5.95%	0.2%	0.04%	0.42%	3.59%
010	765,135	-1	0.00%	588,874	76.96%	63.58%	22.12%	7.66%	2.26%	0.17%	0.04%	0.53%	3.63%
011	765,137	1	0.00%	595,201	77.79%	61.33%	16.33%	13.04%	3.76%	0.19%	0.04%	0.82%	4.49%
012	765,136	0	0.00%	588,119	76.86%	52.13%	36.12%	5.63%	1.83%	0.21%	0.11%	0.36%	3.61%
013	765,137	1	0.00%	574,789	75.12%	16.35%	64.26%	12.23%	3.17%	0.18%	0.05%	0.66%	3.1%
014	765,135	-1	0.00%	579,058	75.68%	68.07%	13.58%	12.69%	1.14%	0.22%	0.05%	0.4%	3.85%

Total: **10,711,908**
Ideal District: **765,136**

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

Population Summary

Summary Statistics:

Population Range:	765,135 to 765,137
Ratio Range:	0.00
Absolute Range:	-1 to 1
Absolute Overall Range:	2
Relative Range:	0.00% to 0.00%
Relative Overall Range:	0.00%
Absolute Mean Deviation:	0.71
Relative Mean Deviation:	0.00%
Standard Deviation:	0.80

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	765,137	1	0.00%	589,266	77.01%	60.41%	26.44%	6.78%	2.36%	0.26%	0.14%	0.37%	3.24%
002	765,137	1	0.00%	587,555	76.79%	42.73%	47.62%	5.12%	1.41%	0.23%	0.09%	0.28%	2.53%
003	765,136	0	0.00%	586,319	76.63%	66.83%	22%	5.33%	2.08%	0.22%	0.04%	0.38%	3.11%
004	765,135	-1	0.00%	589,470	77.04%	28.25%	51.79%	10.12%	6.09%	0.16%	0.04%	0.58%	2.96%
005	765,137	1	0.00%	621,515	81.23%	37.92%	47.14%	6.67%	4.53%	0.16%	0.04%	0.48%	3.07%
006	765,136	0	0.00%	574,797	75.12%	66.63%	8.61%	9.11%	11.44%	0.14%	0.04%	0.63%	3.41%
007	765,137	1	0.00%	566,934	74.1%	32.78%	27.35%	21.27%	14.97%	0.16%	0.04%	0.59%	2.85%
008	765,136	0	0.00%	585,857	76.57%	60.52%	28.84%	6.1%	1.6%	0.2%	0.05%	0.25%	2.43%
009	765,137	1	0.00%	592,520	77.44%	68.29%	9.37%	12.89%	5.94%	0.21%	0.03%	0.34%	2.92%
010	765,135	-1	0.00%	588,874	76.96%	66.2%	21.34%	6.51%	2.3%	0.19%	0.03%	0.46%	2.98%
011	765,137	1	0.00%	595,201	77.79%	63.99%	16.25%	11.22%	3.82%	0.2%	0.04%	0.75%	3.73%
012	765,136	0	0.00%	588,119	76.86%	54.65%	35.06%	4.87%	1.95%	0.22%	0.1%	0.3%	2.86%
013	765,137	1	0.00%	574,789	75.12%	18.82%	63.75%	10.52%	3.38%	0.19%	0.05%	0.61%	2.68%
014	765,135	-1	0.00%	579,058	75.68%	71.33%	13.14%	10.58%	1.17%	0.23%	0.04%	0.32%	3.2%

Total: **10,711,908**
Ideal District: **765,136**

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT H-1

U.S. House
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DECLARATION OF WILLIAM S. COOPER:
EXHIBIT H-2

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Statesboro
Vidalia
Americus
Douglas
Waycross
Valdosta
Moultrie
Savannah
Augusta
Greenville
Spartanburg
Rock Hill
Monroe
Clemson
Anderson
Evergreen Hills
Greenwood
Columbia
Sumter
Florence
Aiken
Orangeburg
Goose Creek
North Charleston
Charleston
Beaufort
Hilton Head Island
Brunswick
Saint Marys
JACKSONVILLE
Jacksonville Beach
Tallahassee
Birmingham
Hoover
Talladega
Oxford
Gadsden
Albertville
Alexander City
Auburn
Selma
Montgomery
Troy
Ozark
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CHARLTON
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DECLARATION OF WILLIAM S. COOPER:
EXHIBIT I-1

Population Summary Report

Georgia U.S. House -- 2020 Census -- Illustrative Plan

District	Population	Deviation	% Deviation	AP Black	% AP Black	Latino	% Latino	NH White	% NH White
001	765137	1	0.00%	230783	30.16%	59328	7.75%	440636	57.59%
002	765137	1	0.00%	393195	51.39%	45499	5.95%	305611	39.94%
003	765135	-1	0.00%	166096	21.71%	49935	6.53%	517659	67.66%
004	765136	0	0.00%	410019	53.59%	87756	11.47%	212004	27.71%
005	765137	1	0.00%	392822	51.34%	56496	7.38%	273819	35.79%
006	765137	1	0.00%	396891	51.87%	108401	14.17%	225985	29.54%
007	765137	1	0.00%	239717	31.33%	181851	23.77%	225905	29.52%
008	765136	0	0.00%	241628	31.58%	54850	7.17%	443123	57.91%
009	765136	0	0.00%	94059	12.29%	128393	16.78%	429340	56.11%
010	765137	1	0.00%	118199	15.45%	61244	8.00%	548312	71.66%
011	765137	1	0.00%	110368	14.42%	81466	10.65%	492121	64.32%
012	765136	0	0.00%	294961	38.55%	43065	5.63%	398843	52.13%
013	765135	-1	0.00%	404963	52.93%	71377	9.33%	253135	33.08%
014	765135	-1	0.00%	44445	5.81%	93796	12.26%	595663	77.85%
Total	**10711908**		**0.00%**	**3538146**	**33.03%**	**1123457**	**10.49%**	**5362156**	**50.06%**

District	18+ Pop	18+ SR Black	% 18+ SR Black	18+ AP Black	% 18+ AP Black	18+ Latino	% 18+ Latino	18+ NH White	% 18+ NH White
001	589266	157770	26.77%	166025	28.17%	39938	6.78%	355947	60.41%
002	587555	281564	47.92%	289612	49.29%	30074	5.12%	251047	42.73%
003	580018	112454	19.39%	118709	20.47%	31852	5.49%	405926	69.99%
004	590640	298897	50.61%	311670	52.77%	58947	9.98%	177832	30.11%
005	621515	295885	47.61%	308271	49.60%	41432	6.67%	235652	37.92%
006	587247	282051	48.03%	294976	50.23%	71798	12.23%	192370	32.76%
007	566934	157650	27.81%	169071	29.82%	120604	21.27%	185838	32.78%
008	585857	170421	29.09%	175967	30.04%	35732	6.10%	354572	60.52%
009	564244	59821	10.60%	65790	11.66%	83453	14.79%	335720	59.50%
010	602127	81481	13.53%	86178	14.31%	39876	6.62%	447109	74.25%
011	588795	72303	12.28%	80507	13.67%	55168	9.37%	393920	66.90%
012	588119	207872	35.35%	215958	36.72%	28628	4.87%	321394	54.65%
013	576337	283204	49.14%	294669	51.13%	46150	8.01%	207154	35.94%
014	591620	27046	4.57%	30583	5.17%	59266	10.02%	477852	80.77%
Total	**8220274**	**2488419**	**30.27%**	**2607986**	**31.73%**	**742918**	**9.04%**	**4342333**	**52.82%**

District	% NH Single-Race Black CVAP*	% NH DOJ Black CVAP**	% Latino CVAP	% SR NH White CVAP
001	29.16%	29.67%	4.49%	63.10%
002	49.55%	50.001%	3.17%	44.62%
003	19.64%	20.02%	3.61%	74.12%
004	55.62%	56.37%	3.89%	35.11%
005	51.64%	52.35%	3.48%	39.75%
006	50.18%	50.98%	6.45%	39.13%
007	31.88%	32.44%	11.20%	43.69%
008	30.46%	30.76%	3.79%	63.40%
009	11.29%	11.74%	8.78%	71.51%
010	15.09%	15.39%	3.93%	78.27%
011	12.91%	13.48%	5.92%	74.73%
012	36.60%	37.19%	3.39%	56.94%
013	49.64%	50.34%	4.96%	40.44%
014	4.80%	5.19%	5.57%	87.19%

CVAP Source:

* 2016-20 ACS Special Tabulation https://redi https://redistrictingdatahub.org/dataset/georgia-cvap-data-disaggregated-to-the-block-level-2020/

Note: Citizen Voting Age Population (CVAP) percentages are disaggreagated from block-gorup level ACS estimates

* Single race NH Black CVAP, **NH DOJ Black= SR NH Black CVAP+SR NH Black/White CVAP

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT I-2

Cochran
LAURENS
Soperton
EMANUEL
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BULLOCH
Rincon
Hilton Head Island
Eastman
DODGE
WHEELER
Vidalia
TOOMBS
EVANS
BRYAN
Savannah
TATTNALL
CHATHAM
Georgetown
Tybee Island
TELFAIR
LIBERTY
Hinesville
Hazlehurst
JEFF DAVIS
Baxley
APPLING
LONG
BEN HILL
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IRWIN
Jesup
COFFEE
BACON
WAYNE
Douglas
MCINTOSH
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PIERCE
ATKINSON
Blackshear
BERRIEN
Nashville
Waycross
BRANTLEY
GLYNN
Brunswick
WARE
Homerville
LANIER
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LOWNDES
Valdosta
CHARLTON
Saint Marys
ECHOLS
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Columbus
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BLECKLEY
Cochran
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Hawkinsville
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DOOLY
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WEBSTER
Americus
SUMTER
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CRISP
WILCOX
TELFAIR
Hazlehurst
QUITMAN
Cuthbert
Dawson
LEE
Leesburg
RANDOLPH
TERRELL
TURNER
Ashburn
BEN HILL
JEFF DAVIS
CLAY
CALHOUN
DOUGHERTY
Albany
Putney
Sylvester
TIFT
Tifton
IRWIN
COFFEE
Douglas
WORTH
Blakely
BAKER
EARLY
MITCHELL
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Moultrie
BERRIEN
Nashville
ATKINSON
MILLER
Pelham
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Donalsonville
SEMINOLE
Bainbridge
Cairo
GRADY
THOMAS
Thomasville
DECATUR
BROOKS
Quitman
LOWNDES
Valdosta
Chattahoochee
Dadeville
Lanett
Valley
Manchester
Auburn
Tallassee
Tuskegee
Union Springs
Troy
Brundidge
Clio
Abbeville
Ozark
Elba
Enterprise
Headland
Dothan
Geneva
Bonifay
Marianna
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TAYLOR
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Rainbow City
Southside
Piedmont
Jacksonville
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Anniston
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Lineville
Roanoke
Alexander City
Dadeville
Tallassee
Auburn
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Mableton
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Douglasville
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Sandy Springs
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Honea Path
Belton
Anderson
Evergreen Hills
Williamston
Piedmont
Easley
Greenville
Wade Hampton
Spartanburg
Walhalla
Clemson
Covington
Madison
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Greensboro
TALIAFERRO
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Stockbridge
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Thomson
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Peachtree City
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Hogansville
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Milledgeville
JEFFERSON
RICHMOND
BURKE
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Plainville
GORDON
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FLOYD
Adairsville
14
Ball Ground
Waleska
White
CHEROKEE
Canton
Kingston
BARTOW
FORSYTH
Holly Springs
Cartersville
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Euharlee
Emerson
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Woodstock
Taylorsville
Mountain Park
Alpharetta
Acworth
FULTON
POLK
Johns Creek
Kennesaw
Roswell
Rockmart
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Marietta
Sandy Springs
PAULDING
Dallas
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Fair Oaks
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Waynesboro
BURKE
BALDWIN
MONROE
JONES
Sandersville
WASHINGTON
Macon
BIBB
WILKINSON
JENKINS
Sylvania
SCREVEN
JOHNSON
EMANUEL
Swainsboro
TWIGGS
Warner Robins
PEACH
Dublin
HOUSTON
BLECKLEY
Cochran
LAURENS
TREUTLEN
Soperton
CANDLER
Statesboro
BULLOCH
EFFINGHAM
Rincon
Hawkinsville
PULASKI
Eastman
Vidalia
MONTGOMERY
DOOLY
DODGE
WHEELER
TOOMBS
EVANS
Cordele
WILCOX
TATTNALL
BRYAN
CHATHAM
CRISP
TELFAIR
Hazlehurst
LIBERTY
Hinesville
APPLING
JEFF DAVIS
Baxley
LONG
Batesburg-Leesville
Edgefield
Aiken
Orangeburg
Williston
Denmark
Bamberg
Barnwell
Allendale
Fairfax
Hampton
Estill
Walterboro
Laurel Bay
Beaufort
Hilton Head Island
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U.S. House
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2021 Plan District
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Miles
Illustrative Plan
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FULTON
East Point
College Park
Forest Park
CLAYTON
Union City
Fairburn
Riverdale
Candler-McAfee
DEKALB
Conyers
ROCKDALE
Covington
WALTON
MORGAN
NEWTON
Stockbridge
Fayetteville
FAYETTE
Peachtree City
McDonough
HENRY
JASPER
Jackson
BUTTS
Griffin
SPALDING
COWETA
MERIWETHER
PIKE
LAMAR
MONROE
Barnesville
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GA_Places-2020
2021 Plan District
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DADE
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WHITFIELD
MURRAY
FANNIN
TOWNS
UNION
WALKER
GILMER
WHITE
LUMPKIN
CHATTOOGA
GORDON
PICKENS
DAWSON
HALL
FLOYD
BARTOW
CHEROKEE
FORSYTH
POLK
PAULDING
COBB
FULTON
Chattanooga
East Ridge
Fairview
Dalton
Chatsworth
Murphy
Summerville
Calhoun
Dahlonega
Gainesville
Rome
Cedar Bluff
Lindale
Cartersville
Canton
Cumming
Cedartown
Kennesaw
Alpharetta
Roswell
Suwanee
Johns Creek
Dulut
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DECLARATION OF WILLIAM S. COOPER:
EXHIBIT I-3

User:
Plan Name: Illustrative Plan
Plan Type:

Plan Components with Population Detail

Monday, November 21, 2022 2:45 PM

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 001				
County: Appling GA				
Total:	18,444	12,674	3,647	1,825
		68.72%	19.77%	9.89%
Voting Age	13,958	10,048	2,540	1,118
		71.99%	18.20%	8.01%
County: Bacon GA				
Total:	11,140	8,103	1,970	875
		72.74%	17.68%	7.85%
Voting Age	8,310	6,374	1,245	547
		76.70%	14.98%	6.58%
County: Brantley GA				
Total:	18,021	16,317	733	326
		90.54%	4.07%	1.81%
Voting Age	13,692	12,522	470	212
		91.45%	3.43%	1.55%
County: Bryan GA				
Total:	44,738	31,321	7,463	3,269
		70.01%	16.68%	7.31%
Voting Age	31,828	23,033	5,025	1,919
		72.37%	15.79%	6.03%
County: Camden GA				
Total:	54,768	37,203	11,072	3,658
		67.93%	20.22%	6.68%
Voting Age	41,808	29,410	7,828	2,457
		70.35%	18.72%	5.88%
County: Charlton GA				
Total:	12,518	7,532	2,798	2,036
		60.17%	22.35%	16.26%
Voting Age	10,135	5,929	2,147	1,971
		58.50%	21.18%	19.45%
County: Chatham GA				
Total:	295,291	139,433	115,458	23,790
		47.22%	39.10%	8.06%
Voting Age	234,715	119,161	85,178	16,551
		50.77%	36.29%	7.05%
County: Effingham GA				
Total:	47,208	35,249	6,652	2,875
		74.67%	14.09%	6.09%
Voting Age	34,272	26,449	4,374	1,700
		77.17%	12.76%	4.96%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 001				
County: Glynn GA				
Total:	84,499	52,987	22,098	6,336
		62.71%	26.15%	7.50%
Voting Age	66,468	44,302	15,620	4,116
		66.65%	23.50%	6.19%
County: Liberty GA				
Total:	65,256	24,004	31,146	7,786
		36.78%	47.73%	11.93%
Voting Age	48,014	19,065	21,700	5,231
		39.71%	45.20%	10.89%
County: Long GA				
Total:	16,168	8,774	4,734	1,979
		54.27%	29.28%	12.24%
Voting Age	11,234	6,422	3,107	1,227
		57.17%	27.66%	10.92%
County: McIntosh GA				
Total:	10,975	7,060	3,400	231
		64.33%	30.98%	2.10%
Voting Age	9,040	5,998	2,641	166
		66.35%	29.21%	1.84%
County: Pierce GA				
Total:	19,716	16,403	1,801	998
		83.20%	9.13%	5.06%
Voting Age	14,899	12,662	1,262	595
		84.99%	8.47%	3.99%
County: Ware GA				
Total:	36,251	22,275	11,421	1,612
		61.45%	31.51%	4.45%
Voting Age	27,788	17,818	8,226	1,012
		64.12%	29.60%	3.64%
County: Wayne GA				
Total:	30,144	21,301	6,390	1,732
		70.66%	21.20%	5.75%
Voting Age	23,105	16,754	4,662	1,116
		72.51%	20.18%	4.83%
District 001 Total				
Total:	765,137	440,636	230,783	59,328
		57.59%	30.16%	7.75%
Voting Age	589,266	355,947	166,025	39,938
		60.41%	28.17%	6.78%
District 002				
County: Baker GA				
Total:	2,876	1,514	1,178	143
		52.64%	40.96%	4.97%
Voting Age	2,275	1,235	932	77
		54.29%	40.97%	3.38%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 002				
County: Bibb GA				
Total:	108,371	29,397	72,197	4,818
		27.13%	66.62%	4.45%
Voting Age	82,489	25,121	52,370	3,351
		30.45%	63.49%	4.06%
County: Calhoun GA				
Total:	5,573	1,766	3,629	149
		31.69%	65.12%	2.67%
Voting Age	4,687	1,567	2,998	90
		33.43%	63.96%	1.92%
County: Chattahoochee GA				
Total:	9,565	5,403	1,825	1,610
		56.49%	19.08%	16.83%
Voting Age	7,199	4,212	1,287	1,160
		58.51%	17.88%	16.11%
County: Clay GA				
Total:	2,848	1,143	1,634	41
		40.13%	57.37%	1.44%
Voting Age	2,246	973	1,231	19
		43.32%	54.81%	0.85%
County: Crawford GA				
Total:	12,130	8,866	2,455	415
		73.09%	20.24%	3.42%
Voting Age	9,606	7,079	1,938	287
		73.69%	20.17%	2.99%
County: Decatur GA				
Total:	29,367	14,280	12,583	1,911
		48.63%	42.85%	6.51%
Voting Age	22,443	11,586	9,189	1,196
		51.62%	40.94%	5.33%
County: Dooly GA				
Total:	11,208	4,611	5,652	797
		41.14%	50.43%	7.11%
Voting Age	9,187	4,029	4,526	493
		43.86%	49.27%	5.37%
County: Dougherty GA				
Total:	85,790	20,631	61,457	2,413
		24.05%	71.64%	2.81%
Voting Age	66,266	17,909	45,631	1,591
		27.03%	68.86%	2.40%
County: Early GA				
Total:	10,854	4,813	5,688	186
		44.34%	52.40%	1.71%
Voting Age	8,315	3,985	4,075	113
		47.93%	49.01%	1.36%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 002				
County: Grady GA				
Total:	26,236	14,715	7,693	3,273
		56.09%	29.32%	12.48%
Voting Age	19,962	11,968	5,678	1,857
		59.95%	28.44%	9.30%
County: Houston GA				
Total:	48,521	19,375	22,637	4,663
		39.93%	46.65%	9.61%
Voting Age	36,233	16,052	15,657	2,988
		44.30%	43.21%	8.25%
County: Lee GA				
Total:	33,163	22,758	7,755	953
		68.62%	23.38%	2.87%
Voting Age	24,676	17,356	5,503	603
		70.34%	22.30%	2.44%
County: Macon GA				
Total:	12,082	4,078	7,296	472
		33.75%	60.39%	3.91%
Voting Age	9,938	3,379	6,021	322
		34.00%	60.59%	3.24%
County: Marion GA				
Total:	7,498	4,486	2,223	560
		59.83%	29.65%	7.47%
Voting Age	5,854	3,643	1,687	337
		62.23%	28.82%	5.76%
County: Miller GA				
Total:	6,000	3,949	1,831	136
		65.82%	30.52%	2.27%
Voting Age	4,749	3,239	1,358	92
		68.20%	28.60%	1.94%
County: Mitchell GA				
Total:	21,755	10,106	10,394	964
		46.45%	47.78%	4.43%
Voting Age	17,065	8,284	7,917	615
		48.54%	46.39%	3.60%
County: Muscogee GA				
Total:	175,155	58,991	95,521	13,791
		33.68%	54.54%	7.87%
Voting Age	132,158	48,043	69,548	9,099
		36.35%	52.62%	6.88%
County: Peach GA				
Total:	27,981	12,119	12,645	2,547
		43.31%	45.19%	9.10%
Voting Age	22,111	10,071	9,720	1,788
		45.55%	43.96%	8.09%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 002				
County: Quitman GA				
Total:	2,235	1,190	965	31
		53.24%	43.18%	1.39%
Voting Age	1,870	1,037	765	18
		55.45%	40.91%	0.96%
County: Randolph GA				
Total:	6,425	2,250	3,947	143
		35.02%	61.43%	2.23%
Voting Age	4,977	1,922	2,913	82
		38.62%	58.53%	1.65%
County: Schley GA				
Total:	4,547	3,357	933	175
		73.83%	20.52%	3.85%
Voting Age	3,328	2,520	644	103
		75.72%	19.35%	3.09%
County: Seminole GA				
Total:	9,147	5,617	3,093	228
		61.41%	33.81%	2.49%
Voting Age	7,277	4,681	2,275	160
		64.33%	31.26%	2.20%
County: Stewart GA				
Total:	5,314	1,338	2,538	1,217
		25.18%	47.76%	22.90%
Voting Age	4,617	1,161	2,048	1,196
		25.15%	44.36%	25.90%
County: Sumter GA				
Total:	29,616	11,528	15,546	1,770
		38.92%	52.49%	5.98%
Voting Age	23,036	9,800	11,479	1,147
		42.54%	49.83%	4.98%
County: Talbot GA				
Total:	5,733	2,427	3,145	112
		42.33%	54.86%	1.95%
Voting Age	4,783	2,129	2,537	56
		44.51%	53.04%	1.17%
County: Taylor GA				
Total:	7,816	4,584	2,946	168
		58.65%	37.69%	2.15%
Voting Age	6,120	3,686	2,235	107
		60.23%	36.52%	1.75%
County: Terrell GA				
Total:	9,185	3,189	5,707	177
		34.72%	62.13%	1.93%
Voting Age	7,204	2,709	4,274	121
		37.60%	59.33%	1.68%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 002				
County: Thomas GA				
Total:	45,798	25,994	16,975	1,577
		56.76%	37.06%	3.44%
Voting Age	35,037	20,740	12,332	970
		59.19%	35.20%	2.77%
County: Webster GA				
Total:	2,348	1,136	1,107	59
		48.38%	47.15%	2.51%
Voting Age	1,847	931	844	36
		50.41%	45.70%	1.95%
District 002 Total				
Total:	765,137	305,611	393,195	45,499
		39.94%	51.39%	5.95%
Voting Age	587,555	251,047	289,612	30,074
		42.73%	49.29%	5.12%
District 003				
County: Carroll GA				
Total:	119,148	80,725	24,618	9,586
		67.75%	20.66%	8.05%
Voting Age	90,996	63,803	17,827	6,129
		70.12%	19.59%	6.74%
County: Cobb GA				
Total:	25,421	19,628	2,784	1,371
		77.21%	10.95%	5.39%
Voting Age	18,690	14,828	1,889	872
		79.34%	10.11%	4.67%
County: Coweta GA				
Total:	146,158	99,421	28,289	11,053
		68.02%	19.36%	7.56%
Voting Age	111,155	78,073	20,196	7,384
		70.24%	18.17%	6.64%
County: Haralson GA				
Total:	29,919	26,825	1,541	497
		89.66%	5.15%	1.66%
Voting Age	22,854	20,617	1,106	323
		90.21%	4.84%	1.41%
County: Harris GA				
Total:	34,668	25,925	5,742	1,417
		74.78%	16.56%	4.09%
Voting Age	26,799	20,298	4,431	908
		75.74%	16.53%	3.39%
County: Heard GA				
Total:	11,412	9,589	1,142	253
		84.03%	10.01%	2.22%
Voting Age	8,698	7,407	832	153
		85.16%	9.57%	1.76%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 003				
County: Lamar GA				
Total:	18,500	12,344	5,220	475
		66.72%	28.22%	2.57%
Voting Age	14,541	9,852	4,017	323
		67.75%	27.63%	2.22%
County: Meriwether GA				
Total:	20,613	12,084	7,547	475
		58.62%	36.61%	2.30%
Voting Age	16,526	9,994	5,845	299
		60.47%	35.37%	1.81%
County: Muscogee GA				
Total:	31,767	20,092	6,691	2,722
		63.25%	21.06%	8.57%
Voting Age	24,894	16,592	4,753	1,795
		66.65%	19.09%	7.21%
County: Paulding GA				
Total:	168,661	108,444	41,296	12,564
		64.30%	24.48%	7.45%
Voting Age	123,998	83,066	28,164	7,974
		66.99%	22.71%	6.43%
County: Pike GA				
Total:	18,889	16,313	1,613	348
		86.36%	8.54%	1.84%
Voting Age	14,337	12,422	1,254	207
		86.64%	8.75%	1.44%
County: Polk GA				
Total:	42,853	30,161	5,816	5,585
		70.38%	13.57%	13.03%
Voting Age	32,238	24,049	3,991	3,252
		74.60%	12.38%	10.09%
County: Troup GA				
Total:	69,426	38,099	25,473	2,956
		54.88%	36.69%	4.26%
Voting Age	52,581	30,377	18,202	1,822
		57.77%	34.62%	3.47%
County: Upson GA				
Total:	27,700	18,009	8,324	633
		65.01%	30.05%	2.29%
Voting Age	21,711	14,548	6,202	411
		67.01%	28.57%	1.89%
District 003 Total				
Total:	765,135	517,659	166,096	49,935
		67.66%	21.71%	6.53%
Voting Age	580,018	405,926	118,709	31,852
		69.99%	20.47%	5.49%
District 004				

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 004				
County: DeKalb GA				
Total:	601,451	153,733	322,421	74,201
		25.56%	53.61%	12.34%
Voting Age	465,661	129,178	247,548	50,261
		27.74%	53.16%	10.79%
County: Newton GA				
Total:	70,115	33,771	30,394	4,015
		48.17%	43.35%	5.73%
Voting Age	53,476	27,197	22,187	2,597
		50.86%	41.49%	4.86%
County: Rockdale GA				
Total:	93,570	24,500	57,204	9,540
		26.18%	61.13%	10.20%
Voting Age	71,503	21,457	41,935	6,089
		30.01%	58.65%	8.52%
District 004 Total				
Total:	765,136	212,004	410,019	87,756
		27.71%	53.59%	11.47%
Voting Age	590,640	177,832	311,670	58,947
		30.11%	52.77%	9.98%
District 005				
County: Clayton GA				
Total:	37,919	2,578	27,594	6,497
		6.80%	72.77%	17.13%
Voting Age	27,885	2,344	20,301	4,185
		8.41%	72.80%	15.01%
County: DeKalb GA				
Total:	162,931	62,162	85,030	7,270
		38.15%	52.19%	4.46%
Voting Age	129,615	50,983	66,682	5,245
		39.33%	51.45%	4.05%
County: Fulton GA				
Total:	564,287	209,079	280,198	42,729
		37.05%	49.66%	7.57%
Voting Age	464,015	182,325	221,288	32,002
		39.29%	47.69%	6.90%
District 005 Total				
Total:	765,137	273,819	392,822	56,496
		35.79%	51.34%	7.38%
Voting Age	621,515	235,652	308,271	41,432
		37.92%	49.60%	6.67%
District 006				
County: Cobb GA				
Total:	452,386	164,732	175,347	83,302
		36.41%	38.76%	18.41%
Voting Age	352,053	141,014	131,674	55,556
		40.05%	37.40%	15.78%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 006				
County: Douglas GA				
Total:	144,237	49,877	74,260	16,035
		34.58%	51.48%	11.12%
Voting Age	108,428	41,416	53,377	10,212
		38.20%	49.23%	9.42%
County: Fayette GA				
Total:	4,143	2,109	998	891
		50.91%	24.09%	21.51%
Voting Age	3,000	1,700	652	543
		56.67%	21.73%	18.10%
County: Fulton GA				
Total:	164,371	9,267	146,286	8,173
		5.64%	89.00%	4.97%
Voting Age	123,766	8,240	109,273	5,487
		6.66%	88.29%	4.43%
District 006 Total				
Total:	765,137	225,985	396,891	108,401
		29.54%	51.87%	14.17%
Voting Age	587,247	192,370	294,976	71,798
		32.76%	50.23%	12.23%
District 007				
County: Fulton GA				
Total:	92,558	45,964	11,462	6,614
		49.66%	12.38%	7.15%
Voting Age	69,229	36,341	8,135	4,468
		52.49%	11.75%	6.45%
County: Gwinnett GA				
Total:	672,579	179,941	228,255	175,237
		26.75%	33.94%	26.05%
Voting Age	497,705	149,497	160,936	116,136
		30.04%	32.34%	23.33%
District 007 Total				
Total:	765,137	225,905	239,717	181,851
		29.52%	31.33%	23.77%
Voting Age	566,934	185,838	169,071	120,604
		32.78%	29.82%	21.27%
District 008				
County: Atkinson GA				
Total:	8,286	4,801	1,284	2,048
		57.94%	15.50%	24.72%
Voting Age	6,129	3,787	937	1,282
		61.79%	15.29%	20.92%
County: Baldwin GA				
Total:	43,799	22,432	18,985	1,139
		51.22%	43.35%	2.60%
Voting Age	35,732	19,377	14,515	835
		54.23%	40.62%	2.34%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 008				
County: Ben Hill GA				
Total:	17,194	9,219	6,537	1,054
		53.62%	38.02%	6.13%
Voting Age	13,165	7,459	4,745	653
		56.66%	36.04%	4.96%
County: Berrien GA				
Total:	18,160	14,396	2,198	1,045
		79.27%	12.10%	5.75%
Voting Age	13,690	11,181	1,499	622
		81.67%	10.95%	4.54%
County: Bibb GA				
Total:	48,975	27,390	16,668	1,919
		55.93%	34.03%	3.92%
Voting Age	38,413	22,858	11,900	1,383
		59.51%	30.98%	3.60%
County: Bleckley GA				
Total:	12,583	8,867	2,951	469
		70.47%	23.45%	3.73%
Voting Age	9,613	7,032	2,036	311
		73.15%	21.18%	3.24%
County: Brooks GA				
Total:	16,301	9,066	5,958	955
		55.62%	36.55%	5.86%
Voting Age	12,747	7,483	4,357	635
		58.70%	34.18%	4.98%
County: Clinch GA				
Total:	6,749	4,256	2,096	253
		63.06%	31.06%	3.75%
Voting Age	5,034	3,372	1,406	156
		66.98%	27.93%	3.10%
County: Coffee GA				
Total:	43,092	24,158	12,575	5,430
		56.06%	29.18%	12.60%
Voting Age	32,419	19,146	9,191	3,324
		59.06%	28.35%	10.25%
County: Colquitt GA				
Total:	45,898	25,588	10,648	8,709
		55.75%	23.20%	18.97%
Voting Age	34,193	20,507	7,461	5,467
		59.97%	21.82%	15.99%
County: Cook GA				
Total:	17,229	10,658	5,014	1,134
		61.86%	29.10%	6.58%
Voting Age	12,938	8,310	3,595	704
		64.23%	27.79%	5.44%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 008				
County: Crisp GA				
Total:	20,128	9,892	9,194	634
		49.15%	45.68%	3.15%
Voting Age	15,570	8,248	6,603	414
		52.97%	42.41%	2.66%
County: Dodge GA				
Total:	19,925	12,865	6,148	620
		64.57%	30.86%	3.11%
Voting Age	15,709	10,360	4,725	406
		65.95%	30.08%	2.58%
County: Echols GA				
Total:	3,697	2,328	193	1,091
		62.97%	5.22%	29.51%
Voting Age	2,709	1,856	121	667
		68.51%	4.47%	24.62%
County: Houston GA				
Total:	115,112	66,836	33,883	7,144
		58.06%	29.43%	6.21%
Voting Age	85,885	51,966	23,948	4,542
		60.51%	27.88%	5.29%
County: Irwin GA				
Total:	9,666	6,402	2,333	663
		66.23%	24.14%	6.86%
Voting Age	7,547	5,047	1,720	545
		66.87%	22.79%	7.22%
County: Jeff Davis GA				
Total:	14,779	9,950	2,493	2,047
		67.33%	16.87%	13.85%
Voting Age	10,856	7,643	1,752	1,233
		70.40%	16.14%	11.36%
County: Jones GA				
Total:	28,347	20,074	7,114	476
		70.82%	25.10%	1.68%
Voting Age	21,575	15,428	5,341	302
		71.51%	24.76%	1.40%
County: Lanier GA				
Total:	9,877	6,595	2,369	572
		66.77%	23.99%	5.79%
Voting Age	7,326	5,010	1,683	370
		68.39%	22.97%	5.05%
County: Lowndes GA				
Total:	118,251	59,306	46,758	7,872
		50.15%	39.54%	6.66%
Voting Age	89,031	47,140	33,302	5,201
		52.95%	37.40%	5.84%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 008				
County: Monroe GA				
Total:	27,957	19,954	6,444	714
		71.37%	23.05%	2.55%
Voting Age	21,913	15,771	5,068	464
		71.97%	23.13%	2.12%
County: Pulaski GA				
Total:	9,855	6,022	3,250	327
		61.11%	32.98%	3.32%
Voting Age	8,012	5,027	2,564	224
		62.74%	32.00%	2.80%
County: Telfair GA				
Total:	12,477	5,970	4,754	1,928
		47.85%	38.10%	15.45%
Voting Age	10,190	4,802	3,806	1,757
		47.12%	37.35%	17.24%
County: Tift GA				
Total:	41,344	22,189	12,734	5,219
		53.67%	30.80%	12.62%
Voting Age	31,224	18,011	8,963	3,295
		57.68%	28.71%	10.55%
County: Turner GA				
Total:	9,006	4,700	3,813	372
		52.19%	42.34%	4.13%
Voting Age	6,960	3,891	2,752	256
		55.91%	39.54%	3.68%
County: Twiggs GA				
Total:	8,022	4,487	3,226	124
		55.93%	40.21%	1.55%
Voting Age	6,589	3,733	2,627	79
		56.66%	39.87%	1.20%
County: Wilcox GA				
Total:	8,766	5,185	3,161	272
		59.15%	36.06%	3.10%
Voting Age	7,218	4,215	2,693	209
		58.40%	37.31%	2.90%
County: Wilkinson GA				
Total:	8,877	5,110	3,330	239
		57.56%	37.51%	2.69%
Voting Age	7,026	4,165	2,549	152
		59.28%	36.28%	2.16%
County: Worth GA				
Total:	20,784	14,427	5,517	381
		69.41%	26.54%	1.83%
Voting Age	16,444	11,747	4,108	244
		71.44%	24.98%	1.48%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 008				
District 008 Total				
Total:	765,136	443,123	241,628	54,850
		57.91%	31.58%	7.17%
Voting Age	585,857	354,572	175,967	35,732
		60.52%	30.04%	6.10%
District 009				
County: Forsyth GA				
Total:	251,283	159,407	13,222	25,226
		63.44%	5.26%	10.04%
Voting Age	181,193	122,017	8,751	16,204
		67.34%	4.83%	8.94%
County: Gwinnett GA				
Total:	284,483	130,642	59,432	45,223
		45.92%	20.89%	15.90%
Voting Age	211,779	102,544	41,826	30,523
		48.42%	19.75%	14.41%
County: Hall GA				
Total:	153,463	80,227	15,257	51,232
		52.28%	9.94%	33.38%
Voting Age	114,821	66,144	10,945	32,465
		57.61%	9.53%	28.27%
County: Jackson GA				
Total:	75,907	59,064	6,148	6,712
		77.81%	8.10%	8.84%
Voting Age	56,451	45,015	4,268	4,261
		79.74%	7.56%	7.55%
District 009 Total				
Total:	765,136	429,340	94,059	128,393
		56.11%	12.29%	16.78%
Voting Age	564,244	335,720	65,790	83,453
		59.50%	11.66%	14.79%
District 010				
County: Banks GA				
Total:	18,035	15,578	589	1,164
		86.38%	3.27%	6.45%
Voting Age	13,900	12,278	365	721
		88.33%	2.63%	5.19%
County: Barrow GA				
Total:	83,505	55,582	11,907	10,560
		66.56%	14.26%	12.65%
Voting Age	62,195	43,241	8,222	6,726
		69.52%	13.22%	10.81%
County: Clarke GA				
Total:	128,671	72,201	33,672	14,336
		56.11%	26.17%	11.14%
Voting Age	106,830	64,531	24,776	10,213
		60.41%	23.19%	9.56%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 010				
County: Elbert GA				
Total:	19,637	12,610	5,520	996
		64.22%	28.11%	5.07%
Voting Age	15,493	10,322	4,122	660
		66.62%	26.61%	4.26%
County: Franklin GA				
Total:	23,424	19,262	2,207	1,121
		82.23%	9.42%	4.79%
Voting Age	18,307	15,466	1,523	678
		84.48%	8.32%	3.70%
County: Greene GA				
Total:	18,915	11,126	6,027	1,289
		58.82%	31.86%	6.81%
Voting Age	15,358	9,675	4,470	826
		63.00%	29.11%	5.38%
County: Habersham GA				
Total:	46,031	34,694	2,165	6,880
		75.37%	4.70%	14.95%
Voting Age	35,878	28,299	1,675	4,115
		78.88%	4.67%	11.47%
County: Hall GA				
Total:	49,673	40,191	1,749	5,778
		80.91%	3.52%	11.63%
Voting Age	39,023	32,656	1,149	3,681
		83.68%	2.94%	9.43%
County: Hancock GA				
Total:	8,735	2,413	6,131	63
		27.62%	70.19%	0.72%
Voting Age	7,487	2,220	5,108	47
		29.65%	68.22%	0.63%
County: Hart GA				
Total:	25,828	19,250	4,732	931
		74.53%	18.32%	3.60%
Voting Age	20,436	15,761	3,447	578
		77.12%	16.87%	2.83%
County: Lumpkin GA				
Total:	29,598	25,718	643	1,654
		86.89%	2.17%	5.59%
Voting Age	24,614	21,601	482	1,247
		87.76%	1.96%	5.07%
County: Madison GA				
Total:	30,120	23,549	3,196	1,956
		78.18%	10.61%	6.49%
Voting Age	23,112	18,643	2,225	1,198
		80.66%	9.63%	5.18%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 010				
County: Morgan GA				
Total:	20,097	14,487	4,339	712
		72.09%	21.59%	3.54%
Voting Age	15,574	11,452	3,280	434
		73.53%	21.06%	2.79%
County: Oconee GA				
Total:	41,799	33,886	2,280	2,347
		81.07%	5.45%	5.61%
Voting Age	30,221	24,942	1,660	1,405
		82.53%	5.49%	4.65%
County: Oglethorpe GA				
Total:	14,825	10,903	2,468	869
		73.54%	16.65%	5.86%
Voting Age	11,639	8,799	1,853	531
		75.60%	15.92%	4.56%
County: Putnam GA				
Total:	22,047	14,316	5,701	1,557
		64.93%	25.86%	7.06%
Voting Age	17,847	12,209	4,229	1,031
		68.41%	23.70%	5.78%
County: Rabun GA				
Total:	16,883	14,625	210	1,452
		86.63%	1.24%	8.60%
Voting Age	13,767	12,236	129	928
		88.88%	0.94%	6.74%
County: Stephens GA				
Total:	26,784	21,323	3,527	857
		79.61%	13.17%	3.20%
Voting Age	21,163	17,310	2,467	578
		81.79%	11.66%	2.73%
County: Taliaferro GA				
Total:	1,559	591	876	69
		37.91%	56.19%	4.43%
Voting Age	1,289	506	722	46
		39.26%	56.01%	3.57%
County: Towns GA				
Total:	12,493	11,469	168	415
		91.80%	1.34%	3.32%
Voting Age	10,923	10,100	137	338
		92.47%	1.25%	3.09%
County: Walton GA				
Total:	96,673	68,499	18,804	5,228
		70.86%	19.45%	5.41%
Voting Age	73,098	53,647	13,165	3,236
		73.39%	18.01%	4.43%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 010				
County: White GA				
Total:	28,003	24,959	721	913
		89.13%	2.57%	3.26%
Voting Age	22,482	20,318	484	605
		90.37%	2.15%	2.69%
County: Wilkes GA				
Total:	1,802	1,080	567	97
		59.93%	31.47%	5.38%
Voting Age	1,491	897	488	54
		60.16%	32.73%	3.62%
District 010 Total				
Total:	765,137	548,312	118,199	61,244
		71.66%	15.45%	8.00%
Voting Age	602,127	447,109	86,178	39,876
		74.25%	14.31%	6.62%
District 011				
County: Bartow GA				
Total:	108,901	80,159	13,395	10,751
		73.61%	12.30%	9.87%
Voting Age	83,570	63,759	9,377	6,817
		76.29%	11.22%	8.16%
County: Cherokee GA				
Total:	122,400	86,657	12,310	15,362
		70.80%	10.06%	12.55%
Voting Age	93,948	69,068	8,613	10,317
		73.52%	9.17%	10.98%
County: Cobb GA				
Total:	288,342	184,822	44,985	26,567
		64.10%	15.60%	9.21%
Voting Age	221,105	147,458	32,578	18,077
		66.69%	14.73%	8.18%
County: Fulton GA				
Total:	245,494	140,483	39,678	28,786
		57.22%	16.16%	11.73%
Voting Age	190,172	113,635	29,939	19,957
		59.75%	15.74%	10.49%
District 011 Total				
Total:	765,137	492,121	110,368	81,466
		64.32%	14.42%	10.65%
Voting Age	588,795	393,920	80,507	55,168
		66.90%	13.67%	9.37%
District 012				
County: Bulloch GA				
Total:	81,099	49,712	24,375	4,180
		61.30%	30.06%	5.15%
Voting Age	64,494	41,041	18,220	3,021
		63.64%	28.25%	4.68%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 012				
County: Burke GA				
Total:	24,596	11,941	11,430	777
		48.55%	46.47%	3.16%
Voting Age	18,778	9,566	8,362	494
		50.94%	44.53%	2.63%
County: Candler GA				
Total:	10,981	6,567	2,807	1,378
		59.80%	25.56%	12.55%
Voting Age	8,241	5,229	2,009	835
		63.45%	24.38%	10.13%
County: Columbia GA				
Total:	156,010	99,111	32,516	11,858
		63.53%	20.84%	7.60%
Voting Age	114,823	76,070	22,273	7,355
		66.25%	19.40%	6.41%
County: Effingham GA				
Total:	17,561	12,955	3,383	617
		73.77%	19.26%	3.51%
Voting Age	13,023	9,788	2,457	354
		75.16%	18.87%	2.72%
County: Emanuel GA				
Total:	22,768	13,815	7,556	993
		60.68%	33.19%	4.36%
Voting Age	17,320	11,013	5,404	589
		63.59%	31.20%	3.40%
County: Evans GA				
Total:	10,774	6,038	3,273	1,237
		56.04%	30.38%	11.48%
Voting Age	8,127	4,826	2,410	731
		59.38%	29.65%	8.99%
County: Glascock GA				
Total:	2,884	2,573	226	52
		89.22%	7.84%	1.80%
Voting Age	2,236	2,003	167	31
		89.58%	7.47%	1.39%
County: Jefferson GA				
Total:	15,709	6,834	8,208	462
		43.50%	52.25%	2.94%
Voting Age	12,301	5,536	6,324	280
		45.00%	51.41%	2.28%
County: Jenkins GA				
Total:	8,674	4,611	3,638	303
		53.16%	41.94%	3.49%
Voting Age	7,005	3,874	2,843	194
		55.30%	40.59%	2.77%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 012				
County: Johnson GA				
Total:	9,189	5,800	3,124	117
		63.12%	34.00%	1.27%
Voting Age	7,474	4,790	2,513	82
		64.09%	33.62%	1.10%
County: Laurens GA				
Total:	49,570	27,881	19,132	1,424
		56.25%	38.60%	2.87%
Voting Age	37,734	22,229	13,695	923
		58.91%	36.29%	2.45%
County: Lincoln GA				
Total:	7,690	5,196	2,212	92
		67.57%	28.76%	1.20%
Voting Age	6,270	4,316	1,728	54
		68.84%	27.56%	0.86%
County: McDuffie GA				
Total:	21,632	11,417	9,045	790
		52.78%	41.81%	3.65%
Voting Age	16,615	9,359	6,425	536
		56.33%	38.67%	3.23%
County: Montgomery GA				
Total:	8,610	5,665	2,224	571
		65.80%	25.83%	6.63%
Voting Age	6,792	4,527	1,781	377
		66.65%	26.22%	5.55%
County: Richmond GA				
Total:	206,607	68,397	119,970	11,449
		33.10%	58.07%	5.54%
Voting Age	160,899	58,403	87,930	8,445
		36.30%	54.65%	5.25%
County: Screven GA				
Total:	14,067	8,018	5,527	287
		57.00%	39.29%	2.04%
Voting Age	10,893	6,387	4,144	188
		58.63%	38.04%	1.73%
County: Tattnall GA				
Total:	22,842	13,825	6,331	2,303
		60.52%	27.72%	10.08%
Voting Age	17,654	11,020	4,886	1,419
		62.42%	27.68%	8.04%
County: Toombs GA				
Total:	27,030	16,007	7,402	3,044
		59.22%	27.38%	11.26%
Voting Age	20,261	12,810	5,036	1,978
		63.22%	24.86%	9.76%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 012				
County: Treutlen GA				
Total:	6,406	4,065	2,114	170
		63.46%	33.00%	2.65%
Voting Age	4,934	3,272	1,514	98
		66.32%	30.69%	1.99%
County: Warren GA				
Total:	5,215	1,974	3,128	53
		37.85%	59.98%	1.02%
Voting Age	4,159	1,716	2,360	46
		41.26%	56.74%	1.11%
County: Washington GA				
Total:	19,988	8,412	10,969	334
		42.09%	54.88%	1.67%
Voting Age	15,709	6,944	8,333	235
		44.20%	53.05%	1.50%
County: Wheeler GA				
Total:	7,471	4,157	2,949	272
		55.64%	39.47%	3.64%
Voting Age	6,217	3,418	2,561	174
		54.98%	41.19%	2.80%
County: Wilkes GA				
Total:	7,763	3,872	3,422	302
		49.88%	44.08%	3.89%
Voting Age	6,160	3,257	2,583	189
		52.87%	41.93%	3.07%
District 012 Total				
Total:	765,136	398,843	294,961	43,065
		52.13%	38.55%	5.63%
Voting Age	588,119	321,394	215,958	28,628
		54.65%	36.72%	4.87%
District 013				
County: Butts GA				
Total:	25,434	16,628	7,212	803
		65.38%	28.36%	3.16%
Voting Age	20,360	13,510	5,660	559
		66.36%	27.80%	2.75%
County: Clayton GA				
Total:	259,676	23,324	188,757	36,049
		8.98%	72.69%	13.88%
Voting Age	192,693	21,052	138,553	23,193
		10.93%	71.90%	12.04%
County: Fayette GA				
Total:	115,051	66,035	31,078	8,589
		57.40%	27.01%	7.47%
Voting Age	88,798	53,402	23,076	5,625
		60.14%	25.99%	6.33%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 013				
County: Henry GA				
Total:	240,712	86,297	125,211	18,437
		35.85%	52.02%	7.66%
Voting Age	179,973	69,744	89,657	12,030
		38.75%	49.82%	6.68%
County: Jasper GA				
Total:	14,588	10,771	2,676	684
		73.83%	18.34%	4.69%
Voting Age	11,118	8,400	1,966	402
		75.55%	17.68%	3.62%
County: Newton GA				
Total:	42,368	12,975	25,507	3,149
		30.62%	60.20%	7.43%
Voting Age	31,272	10,434	18,246	1,964
		33.37%	58.35%	6.28%
County: Spalding GA				
Total:	67,306	37,105	24,522	3,666
		55.13%	36.43%	5.45%
Voting Age	52,123	30,612	17,511	2,377
		58.73%	33.60%	4.56%
District 013 Total				
Total:	765,135	253,135	404,963	71,377
		33.08%	52.93%	9.33%
Voting Age	576,337	207,154	294,669	46,150
		35.94%	51.13%	8.01%
District 014				
County: Catoosa GA				
Total:	67,872	59,280	2,642	2,341
		87.34%	3.89%	3.45%
Voting Age	52,448	46,578	1,684	1,492
		88.81%	3.21%	2.84%
County: Chattooga GA				
Total:	24,965	20,079	2,865	1,297
		80.43%	11.48%	5.20%
Voting Age	19,416	15,885	2,235	733
		81.81%	11.51%	3.78%
County: Cherokee GA				
Total:	144,220	111,210	9,377	16,749
		77.11%	6.50%	11.61%
Voting Age	108,980	87,087	6,363	10,598
		79.91%	5.84%	9.72%
County: Dade GA				
Total:	16,251	14,786	228	364
		90.99%	1.40%	2.24%
Voting Age	12,987	11,925	140	243
		91.82%	1.08%	1.87%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 014				
County: Dawson GA				
Total:	26,798	23,544	392	1,605
		87.86%	1.46%	5.99%
Voting Age	21,441	19,183	249	1,047
		89.47%	1.16%	4.88%
County: Fannin GA				
Total:	25,319	23,351	199	753
		92.23%	0.79%	2.97%
Voting Age	21,188	19,721	133	505
		93.08%	0.63%	2.38%
County: Floyd GA				
Total:	98,584	67,747	15,606	11,466
		68.72%	15.83%	11.63%
Voting Age	76,295	55,088	11,064	7,167
		72.20%	14.50%	9.39%
County: Gilmer GA				
Total:	31,353	26,365	296	3,599
		84.09%	0.94%	11.48%
Voting Age	25,417	22,187	161	2,158
		87.29%	0.63%	8.49%
County: Gordon GA				
Total:	57,544	43,317	2,919	8,957
		75.28%	5.07%	15.57%
Voting Age	43,500	34,084	1,939	5,592
		78.35%	4.46%	12.86%
County: Lumpkin GA				
Total:	3,890	3,523	42	136
		90.57%	1.08%	3.50%
Voting Age	3,075	2,818	25	98
		91.64%	0.81%	3.19%
County: Murray GA				
Total:	39,973	32,164	556	5,914
		80.46%	1.39%	14.79%
Voting Age	30,210	25,146	321	3,696
		83.24%	1.06%	12.23%
County: Pickens GA				
Total:	33,216	30,122	512	1,198
		90.69%	1.54%	3.61%
Voting Age	26,799	24,626	319	755
		91.89%	1.19%	2.82%
County: Union GA				
Total:	24,632	22,646	228	816
		91.94%	0.93%	3.31%
Voting Age	20,808	19,351	147	563
		93.00%	0.71%	2.71%

Plan Components with Population Detail

Nov14_GA_congress

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 014				
County: Walker GA				
Total:	67,654	59,654	3,664	1,685
		88.18%	5.42%	2.49%
Voting Age	52,794	47,292	2,454	1,066
		89.58%	4.65%	2.02%
County: Whitfield GA				
Total:	102,864	57,875	4,919	36,916
		56.26%	4.78%	35.89%
Voting Age	76,262	46,881	3,349	23,553
		61.47%	4.39%	30.88%
District 014 Total				
Total:	765,135	595,663	44,445	93,796
		77.85%	5.81%	12.26%
Voting Age	591,620	477,852	30,583	59,266
		80.77%	5.17%	10.02%

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Peachtree City
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Goose Creek
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WALKER
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DECLARATION OF WILLIAM S. COOPER:
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Population Summary Report

Georgia U.S. House -- 2020 Census -- Enacted Plan

District	Population	Deviation	% Deviation	AP Black	% AP Black	Latino	% Latino	NH White	% NH White
001	765137	1	0.00%	230783	30.16%	59328	7.75%	440636	57.59%
002	765137	1	0.00%	393195	51.39%	45499	5.95%	305611	39.94%
003	765136	0	0.00%	188947	24.69%	48285	6.31%	492494	64.37%
004	765135	-1	0.00%	423763	55.38%	88947	11.63%	197536	25.82%
005	765137	1	0.00%	392822	51.34%	56496	7.38%	273819	35.79%
006	765136	0	0.00%	78871	10.31%	78299	10.23%	487400	63.70%
007	765137	1	0.00%	239717	31.33%	181851	23.77%	225905	29.52%
008	765136	0	0.00%	241628	31.58%	54850	7.17%	443123	57.91%
009	765137	1	0.00%	87130	11.39%	117758	15.39%	495078	64.70%
010	765135	-1	0.00%	184137	24.07%	58645	7.66%	486487	63.58%
011	765137	1	0.00%	143404	18.74%	99794	13.04%	469264	61.33%
012	765136	0	0.00%	294961	38.55%	43065	5.63%	398843	52.13%
013	765137	1	0.00%	520094	67.97%	93554	12.23%	125106	16.35%
014	765135	-1	0.00%	118694	15.51%	97086	12.69%	520854	68.07%
Total	**10711908**		**0.00%**	**3538146**	**33.03%**	**1123457**	**10.49%**	**5362156**	**50.06%**

District	18+ Pop	18+ SR Black	% 18+ SR Black	18+ AP Black	% 18+ AP Black	18+ Latino	% 18+ Latino	18+ NH White	% 18+ NH White
001	589266	157770	26.77%	166025	28.17%	39938	6.78%	440636	57.59%
002	587555	281564	47.92%	289612	49.29%	30074	5.12%	305611	39.94%
003	586319	130099	22.19%	136708	23.32%	31274	5.33%	492494	64.37%
004	589470	308266	52.30%	321379	54.52%	59670	10.12%	197536	25.82%
005	621515	295885	47.61%	308271	49.60%	41432	6.67%	273819	35.79%
006	574797	50334	8.76%	56969	9.91%	52353	9.11%	487400	63.70%
007	566934	157650	27.81%	169071	29.82%	120604	21.27%	225905	29.52%
008	585857	170421	29.09%	175967	30.04%	35732	6.10%	443123	57.91%
009	592520	56416	9.52%	61747	10.42%	76361	12.89%	495078	64.70%
010	588874	126798	21.53%	133097	22.60%	38336	6.51%	486487	63.58%
011	595201	98212	16.50%	106811	17.95%	66802	11.22%	469264	61.33%
012	588119	207872	35.35%	215958	36.72%	28628	4.87%	398843	52.13%
013	574789	370024	64.38%	383663	66.75%	60467	10.52%	125106	16.35%
014	579058	77108	13.32%	82708	14.28%	61247	10.58%	520854	68.07%
Total	**8220274**	**2488419**	**30.27%**	**2607986**	**31.73%**	**742918**	**9.04%**	**5362156**	**65.23%**

District	% NH Single-Race Black CVAP*	% NH DOJ Black CVAP**	% Latino CVAP	% SR NH White CVAP
001	29.16%	29.67%	4.49%	63.10%
002	49.55%	50.001%	3.17%	44.62%
003	22.53%	22.86%	3.38%	71.12%
004	57.71%	58.46%	3.98%	32.82%
005	51.64%	52.35%	3.48%	39.75%
006	9.72%	10.26%	5.63%	76.60%
007	31.88%	32.44%	11.20%	43.69%
008	30.46%	30.76%	3.79%	63.40%
009	10.03%	10.34%	7.35%	77.37%
010	22.11%	22.56%	4.06%	70.80%
011	17.57%	18.30%	6.28%	71.12%
012	36.60%	37.19%	3.39%	56.94%
013	66.36%	67.05%	5.80%	23.21%
014	13.19%	13.71%	6.20%	78.21%

CVAP Source:
* 2016-20 ACS Special Tabulation https://redi https://redistrictingdatahub.org/dataset/georgia-cvap-data-disaggregated-to-the-block-level-2020/
Note: Citizen Voting Age Population (CVAP) percentages are disaggreagated from block-gorup level ACS estimates
* Single race NH Black CVAP, **NH DOJ Black= SR NH Black CVAP+SR NH Black/White CVAP

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BRYAN
Savannah
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Tybee Island
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Hazlehurst
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Baxley
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Richland
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Cordele
Hazlehurst
Troy
Cuthbert
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Leesburg
Ashburn
Brundidge
Clio
Abbeville
Albany
Sylvester
Tifton
Douglas
Ozark
Putney
Elba
Blakely
Headland
Enterprise
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Nashville
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Candler-McAfee
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Lakeview Estates
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Hapeville
College Park
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Social Circle
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Warner Robins
Columbus
Cochran
Hawkinsville
Montezuma
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Swainsboro
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Americus
Cordele
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Headland
Blackshear
Dothan
Camilla
Waycross
Nashville
Moultrie
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Doraville
North Atlanta
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Scottdale
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Redan
East Point
Forest Park
CLAYTON
Stockbridge
ROCKDALE
Covington
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MORGAN
TALIAFERRO
MCDUFFIE
Thomson
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McDonough
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LAMAR
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Milledgeville
WASHINGTON
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CHATTOOGA
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Denmark
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Swainsboro
PEACH
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HOUSTON
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LAURENS
TREUTLEN
Soperton
CANDLER
Statesboro
BULLOCH
EFFINGHAM
Laurel Bay
Beaufort
Rincon
Hawkinsville
PULASKI
Eastman
Vidalia
MONTGOMERY
TOOMBS
EVANS
Hilton Head Island
DOOLY
DODGE
WHEELER
Savannah
BRYAN
CHATHAM
Cordele
WILCOX
CRISP
TELFAIR
Hazlehurst
TATTNALL
LIBERTY
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Doraville
Chamblee
Lilburn
Snellville
North Atlanta
Tucker
Austell
Mableton
Lithia Springs
North Druid Hills
Clarkston
Stone Mountain
North Decatur
Druid Hills
Scottdale
Pine Lake
Decatur
Avondale Estates
Belvedere Park
Atlanta
Redan
Douglasville
Villa Rica
Candler-McAfee
Panthersville
Lithonia
Lakeview Estates
Conyers
East Point
Hapeville
College Park
Conley
Forest Park
Lake City
Union City
Morrow
Fairburn
Riverdale
Stockbridge
Palmetto
Jonesboro
Whitesburg
Tyrone
Bonanza
Fayetteville
McDonough
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DAWSON
FLOYD
BARTOW
CHEROKEE
FORSYTH
POLK
HARALSON
PAULDING
COBB
FULTON
GWINNETT
DEKALB
Bridgeport
Fairview
Dalton
Chatsworth
Scottsboro
Henagar
Rainsville
Fort Payne
Summerville
Calhoun
Rome
Lindale
Cedar Bluff
Centre
Cartersville
Canton
Cumming
Alpharetta
Roswell
Johns Creek
Duluth
Kennesaw
Marietta
Sandy Springs
Smyrna
Mableton
Lithia Springs
Dallas
Cedartown
Gadsden
Rainbow City
Southside
Piedmont
Jacksonville
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DECLARATION OF WILLIAM S. COOPER:
EXHIBIT K-3

User:
Plan Name: **_Enacted_2021_Plan**
Plan Type:

Plan Components with Population Detail

Tuesday, November 22, 2022 4:32 PM

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 1				
County: Appling GA				
Total:	18,444	12,674	3,647	1,825
		68.72%	19.77%	9.89%
Voting Age	13,958	10,048	2,540	1,118
		71.99%	18.20%	8.01%
County: Bacon GA				
Total:	11,140	8,103	1,970	875
		72.74%	17.68%	7.85%
Voting Age	8,310	6,374	1,245	547
		76.70%	14.98%	6.58%
County: Brantley GA				
Total:	18,021	16,317	733	326
		90.54%	4.07%	1.81%
Voting Age	13,692	12,522	470	212
		91.45%	3.43%	1.55%
County: Bryan GA				
Total:	44,738	31,321	7,463	3,269
		70.01%	16.68%	7.31%
Voting Age	31,828	23,033	5,025	1,919
		72.37%	15.79%	6.03%
County: Camden GA				
Total:	54,768	37,203	11,072	3,658
		67.93%	20.22%	6.68%
Voting Age	41,808	29,410	7,828	2,457
		70.35%	18.72%	5.88%
County: Charlton GA				
Total:	12,518	7,532	2,798	2,036
		60.17%	22.35%	16.26%
Voting Age	10,135	5,929	2,147	1,971
		58.50%	21.18%	19.45%
County: Chatham GA				
Total:	295,291	139,433	115,458	23,790
		47.22%	39.10%	8.06%
Voting Age	234,715	119,161	85,178	16,551
		50.77%	36.29%	7.05%
County: Effingham GA				
Total:	47,208	35,249	6,652	2,875
		74.67%	14.09%	6.09%
Voting Age	34,272	26,449	4,374	1,700
		77.17%	12.76%	4.96%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 1				
County: Glynn GA				
Total:	84,499	52,987	22,098	6,336
		62.71%	26.15%	7.50%
Voting Age	66,468	44,302	15,620	4,116
		66.65%	23.50%	6.19%
County: Liberty GA				
Total:	65,256	24,004	31,146	7,786
		36.78%	47.73%	11.93%
Voting Age	48,014	19,065	21,700	5,231
		39.71%	45.20%	10.89%
County: Long GA				
Total:	16,168	8,774	4,734	1,979
		54.27%	29.28%	12.24%
Voting Age	11,234	6,422	3,107	1,227
		57.17%	27.66%	10.92%
County: McIntosh GA				
Total:	10,975	7,060	3,400	231
		64.33%	30.98%	2.10%
Voting Age	9,040	5,998	2,641	166
		66.35%	29.21%	1.84%
County: Pierce GA				
Total:	19,716	16,403	1,801	998
		83.20%	9.13%	5.06%
Voting Age	14,899	12,662	1,262	595
		84.99%	8.47%	3.99%
County: Ware GA				
Total:	36,251	22,275	11,421	1,612
		61.45%	31.51%	4.45%
Voting Age	27,788	17,818	8,226	1,012
		64.12%	29.60%	3.64%
County: Wayne GA				
Total:	30,144	21,301	6,390	1,732
		70.66%	21.20%	5.75%
Voting Age	23,105	16,754	4,662	1,116
		72.51%	20.18%	4.83%
District 1 Total				
Total:	765,137	440,636	230,783	59,328
		57.59%	30.16%	7.75%
Voting Age	589,266	355,947	166,025	39,938
		60.41%	28.17%	6.78%
District 2				
County: Baker GA				
Total:	2,876	1,514	1,178	143
		52.64%	40.96%	4.97%
Voting Age	2,275	1,235	932	77
		54.29%	40.97%	3.38%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 2				
County: Bibb GA				
Total:	108,371	29,397	72,197	4,818
		27.13%	66.62%	4.45%
Voting Age	82,489	25,121	52,370	3,351
		30.45%	63.49%	4.06%
County: Calhoun GA				
Total:	5,573	1,766	3,629	149
		31.69%	65.12%	2.67%
Voting Age	4,687	1,567	2,998	90
		33.43%	63.96%	1.92%
County: Chattahoochee GA				
Total:	9,565	5,403	1,825	1,610
		56.49%	19.08%	16.83%
Voting Age	7,199	4,212	1,287	1,160
		58.51%	17.88%	16.11%
County: Clay GA				
Total:	2,848	1,143	1,634	41
		40.13%	57.37%	1.44%
Voting Age	2,246	973	1,231	19
		43.32%	54.81%	0.85%
County: Crawford GA				
Total:	12,130	8,866	2,455	415
		73.09%	20.24%	3.42%
Voting Age	9,606	7,079	1,938	287
		73.69%	20.17%	2.99%
County: Decatur GA				
Total:	29,367	14,280	12,583	1,911
		48.63%	42.85%	6.51%
Voting Age	22,443	11,586	9,189	1,196
		51.62%	40.94%	5.33%
County: Dooly GA				
Total:	11,208	4,611	5,652	797
		41.14%	50.43%	7.11%
Voting Age	9,187	4,029	4,526	493
		43.86%	49.27%	5.37%
County: Dougherty GA				
Total:	85,790	20,631	61,457	2,413
		24.05%	71.64%	2.81%
Voting Age	66,266	17,909	45,631	1,591
		27.03%	68.86%	2.40%
County: Early GA				
Total:	10,854	4,813	5,688	186
		44.34%	52.40%	1.71%
Voting Age	8,315	3,985	4,075	113
		47.93%	49.01%	1.36%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 2				
County: Grady GA				
Total:	26,236	14,715	7,693	3,273
		56.09%	29.32%	12.48%
Voting Age	19,962	11,968	5,678	1,857
		59.95%	28.44%	9.30%
County: Houston GA				
Total:	48,521	19,375	22,637	4,663
		39.93%	46.65%	9.61%
Voting Age	36,233	16,052	15,657	2,988
		44.30%	43.21%	8.25%
County: Lee GA				
Total:	33,163	22,758	7,755	953
		68.62%	23.38%	2.87%
Voting Age	24,676	17,356	5,503	603
		70.34%	22.30%	2.44%
County: Macon GA				
Total:	12,082	4,078	7,296	472
		33.75%	60.39%	3.91%
Voting Age	9,938	3,379	6,021	322
		34.00%	60.59%	3.24%
County: Marion GA				
Total:	7,498	4,486	2,223	560
		59.83%	29.65%	7.47%
Voting Age	5,854	3,643	1,687	337
		62.23%	28.82%	5.76%
County: Miller GA				
Total:	6,000	3,949	1,831	136
		65.82%	30.52%	2.27%
Voting Age	4,749	3,239	1,358	92
		68.20%	28.60%	1.94%
County: Mitchell GA				
Total:	21,755	10,106	10,394	964
		46.45%	47.78%	4.43%
Voting Age	17,065	8,284	7,917	615
		48.54%	46.39%	3.60%
County: Muscogee GA				
Total:	175,155	58,991	95,521	13,791
		33.68%	54.54%	7.87%
Voting Age	132,158	48,043	69,548	9,099
		36.35%	52.62%	6.88%
County: Peach GA				
Total:	27,981	12,119	12,645	2,547
		43.31%	45.19%	9.10%
Voting Age	22,111	10,071	9,720	1,788
		45.55%	43.96%	8.09%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 2				
County: Quitman GA				
Total:	2,235	1,190	965	31
		53.24%	43.18%	1.39%
Voting Age	1,870	1,037	765	18
		55.45%	40.91%	0.96%
County: Randolph GA				
Total:	6,425	2,250	3,947	143
		35.02%	61.43%	2.23%
Voting Age	4,977	1,922	2,913	82
		38.62%	58.53%	1.65%
County: Schley GA				
Total:	4,547	3,357	933	175
		73.83%	20.52%	3.85%
Voting Age	3,328	2,520	644	103
		75.72%	19.35%	3.09%
County: Seminole GA				
Total:	9,147	5,617	3,093	228
		61.41%	33.81%	2.49%
Voting Age	7,277	4,681	2,275	160
		64.33%	31.26%	2.20%
County: Stewart GA				
Total:	5,314	1,338	2,538	1,217
		25.18%	47.76%	22.90%
Voting Age	4,617	1,161	2,048	1,196
		25.15%	44.36%	25.90%
County: Sumter GA				
Total:	29,616	11,528	15,546	1,770
		38.92%	52.49%	5.98%
Voting Age	23,036	9,800	11,479	1,147
		42.54%	49.83%	4.98%
County: Talbot GA				
Total:	5,733	2,427	3,145	112
		42.33%	54.86%	1.95%
Voting Age	4,783	2,129	2,537	56
		44.51%	53.04%	1.17%
County: Taylor GA				
Total:	7,816	4,584	2,946	168
		58.65%	37.69%	2.15%
Voting Age	6,120	3,686	2,235	107
		60.23%	36.52%	1.75%
County: Terrell GA				
Total:	9,185	3,189	5,707	177
		34.72%	62.13%	1.93%
Voting Age	7,204	2,709	4,274	121
		37.60%	59.33%	1.68%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 2				
County: Thomas GA				
Total:	45,798	25,994	16,975	1,577
		56.76%	37.06%	3.44%
Voting Age	35,037	20,740	12,332	970
		59.19%	35.20%	2.77%
County: Webster GA				
Total:	2,348	1,136	1,107	59
		48.38%	47.15%	2.51%
Voting Age	1,847	931	844	36
		50.41%	45.70%	1.95%
District 2 Total				
Total:	765,137	305,611	393,195	45,499
		39.94%	51.39%	5.95%
Voting Age	587,555	251,047	289,612	30,074
		42.73%	49.29%	5.12%
District 3				
County: Carroll GA				
Total:	119,148	80,725	24,618	9,586
		67.75%	20.66%	8.05%
Voting Age	90,996	63,803	17,827	6,129
		70.12%	19.59%	6.74%
County: Coweta GA				
Total:	146,158	99,421	28,289	11,053
		68.02%	19.36%	7.56%
Voting Age	111,155	78,073	20,196	7,384
		70.24%	18.17%	6.64%
County: Douglas GA				
Total:	42,970	23,414	13,641	4,200
		54.49%	31.75%	9.77%
Voting Age	32,601	18,942	9,682	2,674
		58.10%	29.70%	8.20%
County: Fayette GA				
Total:	102,685	63,073	22,742	8,065
		61.42%	22.15%	7.85%
Voting Age	78,539	50,575	16,446	5,270
		64.39%	20.94%	6.71%
County: Haralson GA				
Total:	29,919	26,825	1,541	497
		89.66%	5.15%	1.66%
Voting Age	22,854	20,617	1,106	323
		90.21%	4.84%	1.41%
County: Harris GA				
Total:	34,668	25,925	5,742	1,417
		74.78%	16.56%	4.09%
Voting Age	26,799	20,298	4,431	908
		75.74%	16.53%	3.39%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 3				
County: Heard GA				
Total:	11,412	9,589	1,142	253
		84.03%	10.01%	2.22%
Voting Age	8,698	7,407	832	153
		85.16%	9.57%	1.76%
County: Henry GA				
Total:	23,975	9,476	11,842	1,939
		39.52%	49.39%	8.09%
Voting Age	17,964	7,737	8,404	1,199
		43.07%	46.78%	6.67%
County: Lamar GA				
Total:	18,500	12,344	5,220	475
		66.72%	28.22%	2.57%
Voting Age	14,541	9,852	4,017	323
		67.75%	27.63%	2.22%
County: Meriwether GA				
Total:	20,613	12,084	7,547	475
		58.62%	36.61%	2.30%
Voting Age	16,526	9,994	5,845	299
		60.47%	35.37%	1.81%
County: Muscogee GA				
Total:	31,767	20,092	6,691	2,722
		63.25%	21.06%	8.57%
Voting Age	24,894	16,592	4,753	1,795
		66.65%	19.09%	7.21%
County: Pike GA				
Total:	18,889	16,313	1,613	348
		86.36%	8.54%	1.84%
Voting Age	14,337	12,422	1,254	207
		86.64%	8.75%	1.44%
County: Spalding GA				
Total:	67,306	37,105	24,522	3,666
		55.13%	36.43%	5.45%
Voting Age	52,123	30,612	17,511	2,377
		58.73%	33.60%	4.56%
County: Troup GA				
Total:	69,426	38,099	25,473	2,956
		54.88%	36.69%	4.26%
Voting Age	52,581	30,377	18,202	1,822
		57.77%	34.62%	3.47%
County: Upson GA				
Total:	27,700	18,009	8,324	633
		65.01%	30.05%	2.29%
Voting Age	21,711	14,548	6,202	411
		67.01%	28.57%	1.89%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 3				
District 3 Total				
Total:	765,136	492,494	188,947	48,285
		64.37%	24.69%	6.31%
Voting Age	586,319	391,849	136,708	31,274
		66.83%	23.32%	5.33%
District 4				
County: DeKalb GA				
Total:	601,451	153,733	322,421	74,201
		25.56%	53.61%	12.34%
Voting Age	465,661	129,178	247,548	50,261
		27.74%	53.16%	10.79%
County: Newton GA				
Total:	70,114	19,303	44,138	5,206
		27.53%	62.95%	7.43%
Voting Age	52,306	15,909	31,896	3,320
		30.42%	60.98%	6.35%
County: Rockdale GA				
Total:	93,570	24,500	57,204	9,540
		26.18%	61.13%	10.20%
Voting Age	71,503	21,457	41,935	6,089
		30.01%	58.65%	8.52%
District 4 Total				
Total:	765,135	197,536	423,763	88,947
		25.82%	55.38%	11.63%
Voting Age	589,470	166,544	321,379	59,670
		28.25%	54.52%	10.12%
District 5				
County: Clayton GA				
Total:	37,919	2,578	27,594	6,497
		6.80%	72.77%	17.13%
Voting Age	27,885	2,344	20,301	4,185
		8.41%	72.80%	15.01%
County: DeKalb GA				
Total:	162,931	62,162	85,030	7,270
		38.15%	52.19%	4.46%
Voting Age	129,615	50,983	66,682	5,245
		39.33%	51.45%	4.05%
County: Fulton GA				
Total:	564,287	209,079	280,198	42,729
		37.05%	49.66%	7.57%
Voting Age	464,015	182,325	221,288	32,002
		39.29%	47.69%	6.90%
District 5 Total				
Total:	765,137	273,819	392,822	56,496
		35.79%	51.34%	7.38%
Voting Age	621,515	235,652	308,271	41,432
		37.92%	49.60%	6.67%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 6				
County: Cherokee GA				
Total:	40,881	34,848	1,489	2,494
		85.24%	3.64%	6.10%
Voting Age	31,202	27,176	950	1,623
		87.10%	3.04%	5.20%
County: Cobb GA				
Total:	165,925	110,373	19,055	15,022
		66.52%	11.48%	9.05%
Voting Age	125,728	86,781	13,732	10,102
		69.02%	10.92%	8.03%
County: Dawson GA				
Total:	26,798	23,544	392	1,605
		87.86%	1.46%	5.99%
Voting Age	21,441	19,183	249	1,047
		89.47%	1.16%	4.88%
County: Forsyth GA				
Total:	251,283	159,407	13,222	25,226
		63.44%	5.26%	10.04%
Voting Age	181,193	122,017	8,751	16,204
		67.34%	4.83%	8.94%
County: Fulton GA				
Total:	245,494	140,483	39,678	28,786
		57.22%	16.16%	11.73%
Voting Age	190,172	113,635	29,939	19,957
		59.75%	15.74%	10.49%
County: Gwinnett GA				
Total:	34,755	18,745	5,035	5,166
		53.93%	14.49%	14.86%
Voting Age	25,061	14,179	3,348	3,420
		56.58%	13.36%	13.65%
District 6 Total				
Total:	765,136	487,400	78,871	78,299
		63.70%	10.31%	10.23%
Voting Age	574,797	382,971	56,969	52,353
		66.63%	9.91%	9.11%
District 7				
County: Fulton GA				
Total:	92,558	45,964	11,462	6,614
		49.66%	12.38%	7.15%
Voting Age	69,229	36,341	8,135	4,468
		52.49%	11.75%	6.45%
County: Gwinnett GA				
Total:	672,579	179,941	228,255	175,237
		26.75%	33.94%	26.05%
Voting Age	497,705	149,497	160,936	116,136
		30.04%	32.34%	23.33%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 7				
District 7 Total				
Total:	765,137	225,905	239,717	181,851
		29.52%	31.33%	23.77%
Voting Age	566,934	185,838	169,071	120,604
		32.78%	29.82%	21.27%
District 8				
County: Atkinson GA				
Total:	8,286	4,801	1,284	2,048
		57.94%	15.50%	24.72%
Voting Age	6,129	3,787	937	1,282
		61.79%	15.29%	20.92%
County: Baldwin GA				
Total:	43,799	22,432	18,985	1,139
		51.22%	43.35%	2.60%
Voting Age	35,732	19,377	14,515	835
		54.23%	40.62%	2.34%
County: Ben Hill GA				
Total:	17,194	9,219	6,537	1,054
		53.62%	38.02%	6.13%
Voting Age	13,165	7,459	4,745	653
		56.66%	36.04%	4.96%
County: Berrien GA				
Total:	18,160	14,396	2,198	1,045
		79.27%	12.10%	5.75%
Voting Age	13,690	11,181	1,499	622
		81.67%	10.95%	4.54%
County: Bibb GA				
Total:	48,975	27,390	16,668	1,919
		55.93%	34.03%	3.92%
Voting Age	38,413	22,858	11,900	1,383
		59.51%	30.98%	3.60%
County: Bleckley GA				
Total:	12,583	8,867	2,951	469
		70.47%	23.45%	3.73%
Voting Age	9,613	7,032	2,036	311
		73.15%	21.18%	3.24%
County: Brooks GA				
Total:	16,301	9,066	5,958	955
		55.62%	36.55%	5.86%
Voting Age	12,747	7,483	4,357	635
		58.70%	34.18%	4.98%
County: Clinch GA				
Total:	6,749	4,256	2,096	253
		63.06%	31.06%	3.75%
Voting Age	5,034	3,372	1,406	156
		66.98%	27.93%	3.10%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 8				
County: Coffee GA				
Total:	43,092	24,158	12,575	5,430
		56.06%	29.18%	12.60%
Voting Age	32,419	19,146	9,191	3,324
		59.06%	28.35%	10.25%
County: Colquitt GA				
Total:	45,898	25,588	10,648	8,709
		55.75%	23.20%	18.97%
Voting Age	34,193	20,507	7,461	5,467
		59.97%	21.82%	15.99%
County: Cook GA				
Total:	17,229	10,658	5,014	1,134
		61.86%	29.10%	6.58%
Voting Age	12,938	8,310	3,595	704
		64.23%	27.79%	5.44%
County: Crisp GA				
Total:	20,128	9,892	9,194	634
		49.15%	45.68%	3.15%
Voting Age	15,570	8,248	6,603	414
		52.97%	42.41%	2.66%
County: Dodge GA				
Total:	19,925	12,865	6,148	620
		64.57%	30.86%	3.11%
Voting Age	15,709	10,360	4,725	406
		65.95%	30.08%	2.58%
County: Echols GA				
Total:	3,697	2,328	193	1,091
		62.97%	5.22%	29.51%
Voting Age	2,709	1,856	121	667
		68.51%	4.47%	24.62%
County: Houston GA				
Total:	115,112	66,836	33,883	7,144
		58.06%	29.43%	6.21%
Voting Age	85,885	51,966	23,948	4,542
		60.51%	27.88%	5.29%
County: Irwin GA				
Total:	9,666	6,402	2,333	663
		66.23%	24.14%	6.86%
Voting Age	7,547	5,047	1,720	545
		66.87%	22.79%	7.22%
County: Jeff Davis GA				
Total:	14,779	9,950	2,493	2,047
		67.33%	16.87%	13.85%
Voting Age	10,856	7,643	1,752	1,233
		70.40%	16.14%	11.36%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 8				
County: Jones GA				
Total:	28,347	20,074	7,114	476
		70.82%	25.10%	1.68%
Voting Age	21,575	15,428	5,341	302
		71.51%	24.76%	1.40%
County: Lanier GA				
Total:	9,877	6,595	2,369	572
		66.77%	23.99%	5.79%
Voting Age	7,326	5,010	1,683	370
		68.39%	22.97%	5.05%
County: Lowndes GA				
Total:	118,251	59,306	46,758	7,872
		50.15%	39.54%	6.66%
Voting Age	89,031	47,140	33,302	5,201
		52.95%	37.40%	5.84%
County: Monroe GA				
Total:	27,957	19,954	6,444	714
		71.37%	23.05%	2.55%
Voting Age	21,913	15,771	5,068	464
		71.97%	23.13%	2.12%
County: Pulaski GA				
Total:	9,855	6,022	3,250	327
		61.11%	32.98%	3.32%
Voting Age	8,012	5,027	2,564	224
		62.74%	32.00%	2.80%
County: Telfair GA				
Total:	12,477	5,970	4,754	1,928
		47.85%	38.10%	15.45%
Voting Age	10,190	4,802	3,806	1,757
		47.12%	37.35%	17.24%
County: Tift GA				
Total:	41,344	22,189	12,734	5,219
		53.67%	30.80%	12.62%
Voting Age	31,224	18,011	8,963	3,295
		57.68%	28.71%	10.55%
County: Turner GA				
Total:	9,006	4,700	3,813	372
		52.19%	42.34%	4.13%
Voting Age	6,960	3,891	2,752	256
		55.91%	39.54%	3.68%
County: Twiggs GA				
Total:	8,022	4,487	3,226	124
		55.93%	40.21%	1.55%
Voting Age	6,589	3,733	2,627	79
		56.66%	39.87%	1.20%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 8				
County: Wilcox GA				
Total:	8,766	5,185	3,161	272
		59.15%	36.06%	3.10%
Voting Age	7,218	4,215	2,693	209
		58.40%	37.31%	2.90%
County: Wilkinson GA				
Total:	8,877	5,110	3,330	239
		57.56%	37.51%	2.69%
Voting Age	7,026	4,165	2,549	152
		59.28%	36.28%	2.16%
County: Worth GA				
Total:	20,784	14,427	5,517	381
		69.41%	26.54%	1.83%
Voting Age	16,444	11,747	4,108	244
		71.44%	24.98%	1.48%
District 8 Total				
Total:	765,136	443,123	241,628	54,850
		57.91%	31.58%	7.17%
Voting Age	585,857	354,572	175,967	35,732
		60.52%	30.04%	6.10%
District 9				
County: Banks GA				
Total:	18,035	15,578	589	1,164
		86.38%	3.27%	6.45%
Voting Age	13,900	12,278	365	721
		88.33%	2.63%	5.19%
County: Fannin GA				
Total:	25,319	23,351	199	753
		92.23%	0.79%	2.97%
Voting Age	21,188	19,721	133	505
		93.08%	0.63%	2.38%
County: Franklin GA				
Total:	23,424	19,262	2,207	1,121
		82.23%	9.42%	4.79%
Voting Age	18,307	15,466	1,523	678
		84.48%	8.32%	3.70%
County: Gilmer GA				
Total:	31,353	26,365	296	3,599
		84.09%	0.94%	11.48%
Voting Age	25,417	22,187	161	2,158
		87.29%	0.63%	8.49%
County: Gwinnett GA				
Total:	249,728	111,897	54,397	40,057
		44.81%	21.78%	16.04%
Voting Age	186,718	88,365	38,478	27,103
		47.33%	20.61%	14.52%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 9				
County: Habersham GA				
Total:	46,031	34,694	2,165	6,880
		75.37%	4.70%	14.95%
Voting Age	35,878	28,299	1,675	4,115
		78.88%	4.67%	11.47%
County: Hall GA				
Total:	203,136	120,418	17,006	57,010
		59.28%	8.37%	28.06%
Voting Age	153,844	98,800	12,094	36,146
		64.22%	7.86%	23.50%
County: Hart GA				
Total:	25,828	19,250	4,732	931
		74.53%	18.32%	3.60%
Voting Age	20,436	15,761	3,447	578
		77.12%	16.87%	2.83%
County: Lumpkin GA				
Total:	33,488	29,241	685	1,790
		87.32%	2.05%	5.35%
Voting Age	27,689	24,419	507	1,345
		88.19%	1.83%	4.86%
County: Rabun GA				
Total:	16,883	14,625	210	1,452
		86.63%	1.24%	8.60%
Voting Age	13,767	12,236	129	928
		88.88%	0.94%	6.74%
County: Stephens GA				
Total:	26,784	21,323	3,527	857
		79.61%	13.17%	3.20%
Voting Age	21,163	17,310	2,467	578
		81.79%	11.66%	2.73%
County: Towns GA				
Total:	12,493	11,469	168	415
		91.80%	1.34%	3.32%
Voting Age	10,923	10,100	137	338
		92.47%	1.25%	3.09%
County: Union GA				
Total:	24,632	22,646	228	816
		91.94%	0.93%	3.31%
Voting Age	20,808	19,351	147	563
		93.00%	0.71%	2.71%
County: White GA				
Total:	28,003	24,959	721	913
		89.13%	2.57%	3.26%
Voting Age	22,482	20,318	484	605
		90.37%	2.15%	2.69%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 9				
District 9 Total				
Total:	765,137	495,078	87,130	117,758
		64.70%	11.39%	15.39%
Voting Age	592,520	404,611	61,747	76,361
		68.29%	10.42%	12.89%
District 10				
County: Barrow GA				
Total:	83,505	55,582	11,907	10,560
		66.56%	14.26%	12.65%
Voting Age	62,195	43,241	8,222	6,726
		69.52%	13.22%	10.81%
County: Butts GA				
Total:	25,434	16,628	7,212	803
		65.38%	28.36%	3.16%
Voting Age	20,360	13,510	5,660	559
		66.36%	27.80%	2.75%
County: Clarke GA				
Total:	128,671	72,201	33,672	14,336
		56.11%	26.17%	11.14%
Voting Age	106,830	64,531	24,776	10,213
		60.41%	23.19%	9.56%
County: Elbert GA				
Total:	19,637	12,610	5,520	996
		64.22%	28.11%	5.07%
Voting Age	15,493	10,322	4,122	660
		66.62%	26.61%	4.26%
County: Greene GA				
Total:	18,915	11,126	6,027	1,289
		58.82%	31.86%	6.81%
Voting Age	15,358	9,675	4,470	826
		63.00%	29.11%	5.38%
County: Hancock GA				
Total:	8,735	2,413	6,131	63
		27.62%	70.19%	0.72%
Voting Age	7,487	2,220	5,108	47
		29.65%	68.22%	0.63%
County: Henry GA				
Total:	118,452	51,338	54,850	8,409
		43.34%	46.31%	7.10%
Voting Age	86,869	40,092	38,346	5,466
		46.15%	44.14%	6.29%
County: Jackson GA				
Total:	75,907	59,064	6,148	6,712
		77.81%	8.10%	8.84%
Voting Age	56,451	45,015	4,268	4,261
		79.74%	7.56%	7.55%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 10				
County: Jasper GA				
Total:	14,588	10,771	2,676	684
		73.83%	18.34%	4.69%
Voting Age	11,118	8,400	1,966	402
		75.55%	17.68%	3.62%
County: Madison GA				
Total:	30,120	23,549	3,196	1,956
		78.18%	10.61%	6.49%
Voting Age	23,112	18,643	2,225	1,198
		80.66%	9.63%	5.18%
County: Morgan GA				
Total:	20,097	14,487	4,339	712
		72.09%	21.59%	3.54%
Voting Age	15,574	11,452	3,280	434
		73.53%	21.06%	2.79%
County: Newton GA				
Total:	42,369	27,443	11,763	1,958
		64.77%	27.76%	4.62%
Voting Age	32,442	21,722	8,537	1,241
		66.96%	26.31%	3.83%
County: Oconee GA				
Total:	41,799	33,886	2,280	2,347
		81.07%	5.45%	5.61%
Voting Age	30,221	24,942	1,660	1,405
		82.53%	5.49%	4.65%
County: Oglethorpe GA				
Total:	14,825	10,903	2,468	869
		73.54%	16.65%	5.86%
Voting Age	11,639	8,799	1,853	531
		75.60%	15.92%	4.56%
County: Putnam GA				
Total:	22,047	14,316	5,701	1,557
		64.93%	25.86%	7.06%
Voting Age	17,847	12,209	4,229	1,031
		68.41%	23.70%	5.78%
County: Taliaferro GA				
Total:	1,559	591	876	69
		37.91%	56.19%	4.43%
Voting Age	1,289	506	722	46
		39.26%	56.01%	3.57%
County: Walton GA				
Total:	96,673	68,499	18,804	5,228
		70.86%	19.45%	5.41%
Voting Age	73,098	53,647	13,165	3,236
		73.39%	18.01%	4.43%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 10				
County: Wilkes GA				
Total:	1,802	1,080	567	97
		59.93%	31.47%	5.38%
Voting Age	1,491	897	488	54
		60.16%	32.73%	3.62%
District 10 Total				
Total:	765,135	486,487	184,137	58,645
		63.58%	24.07%	7.66%
Voting Age	588,874	389,823	133,097	38,336
		66.20%	22.60%	6.51%
District 11				
County: Bartow GA				
Total:	108,901	80,159	13,395	10,751
		73.61%	12.30%	9.87%
Voting Age	83,570	63,759	9,377	6,817
		76.29%	11.22%	8.16%
County: Cherokee GA				
Total:	225,739	163,019	20,198	29,617
		72.22%	8.95%	13.12%
Voting Age	171,726	128,979	14,026	19,292
		75.11%	8.17%	11.23%
County: Cobb GA				
Total:	397,281	195,964	109,299	58,228
		49.33%	27.51%	14.66%
Voting Age	313,106	163,531	83,089	39,938
		52.23%	26.54%	12.76%
County: Pickens GA				
Total:	33,216	30,122	512	1,198
		90.69%	1.54%	3.61%
Voting Age	26,799	24,626	319	755
		91.89%	1.19%	2.82%
District 11 Total				
Total:	765,137	469,264	143,404	99,794
		61.33%	18.74%	13.04%
Voting Age	595,201	380,895	106,811	66,802
		63.99%	17.95%	11.22%
District 12				
County: Bulloch GA				
Total:	81,099	49,712	24,375	4,180
		61.30%	30.06%	5.15%
Voting Age	64,494	41,041	18,220	3,021
		63.64%	28.25%	4.68%
County: Burke GA				
Total:	24,596	11,941	11,430	777
		48.55%	46.47%	3.16%
Voting Age	18,778	9,566	8,362	494
		50.94%	44.53%	2.63%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 12				
County: Candler GA				
Total:	10,981	6,567	2,807	1,378
		59.80%	25.56%	12.55%
Voting Age	8,241	5,229	2,009	835
		63.45%	24.38%	10.13%
County: Columbia GA				
Total:	156,010	99,111	32,516	11,858
		63.53%	20.84%	7.60%
Voting Age	114,823	76,070	22,273	7,355
		66.25%	19.40%	6.41%
County: Effingham GA				
Total:	17,561	12,955	3,383	617
		73.77%	19.26%	3.51%
Voting Age	13,023	9,788	2,457	354
		75.16%	18.87%	2.72%
County: Emanuel GA				
Total:	22,768	13,815	7,556	993
		60.68%	33.19%	4.36%
Voting Age	17,320	11,013	5,404	589
		63.59%	31.20%	3.40%
County: Evans GA				
Total:	10,774	6,038	3,273	1,237
		56.04%	30.38%	11.48%
Voting Age	8,127	4,826	2,410	731
		59.38%	29.65%	8.99%
County: Glascock GA				
Total:	2,884	2,573	226	52
		89.22%	7.84%	1.80%
Voting Age	2,236	2,003	167	31
		89.58%	7.47%	1.39%
County: Jefferson GA				
Total:	15,709	6,834	8,208	462
		43.50%	52.25%	2.94%
Voting Age	12,301	5,536	6,324	280
		45.00%	51.41%	2.28%
County: Jenkins GA				
Total:	8,674	4,611	3,638	303
		53.16%	41.94%	3.49%
Voting Age	7,005	3,874	2,843	194
		55.30%	40.59%	2.77%
County: Johnson GA				
Total:	9,189	5,800	3,124	117
		63.12%	34.00%	1.27%
Voting Age	7,474	4,790	2,513	82
		64.09%	33.62%	1.10%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 12				
County: Laurens GA				
Total:	49,570	27,881	19,132	1,424
		56.25%	38.60%	2.87%
Voting Age	37,734	22,229	13,695	923
		58.91%	36.29%	2.45%
County: Lincoln GA				
Total:	7,690	5,196	2,212	92
		67.57%	28.76%	1.20%
Voting Age	6,270	4,316	1,728	54
		68.84%	27.56%	0.86%
County: McDuffie GA				
Total:	21,632	11,417	9,045	790
		52.78%	41.81%	3.65%
Voting Age	16,615	9,359	6,425	536
		56.33%	38.67%	3.23%
County: Montgomery GA				
Total:	8,610	5,665	2,224	571
		65.80%	25.83%	6.63%
Voting Age	6,792	4,527	1,781	377
		66.65%	26.22%	5.55%
County: Richmond GA				
Total:	206,607	68,397	119,970	11,449
		33.10%	58.07%	5.54%
Voting Age	160,899	58,403	87,930	8,445
		36.30%	54.65%	5.25%
County: Screven GA				
Total:	14,067	8,018	5,527	287
		57.00%	39.29%	2.04%
Voting Age	10,893	6,387	4,144	188
		58.63%	38.04%	1.73%
County: Tattnall GA				
Total:	22,842	13,825	6,331	2,303
		60.52%	27.72%	10.08%
Voting Age	17,654	11,020	4,886	1,419
		62.42%	27.68%	8.04%
County: Toombs GA				
Total:	27,030	16,007	7,402	3,044
		59.22%	27.38%	11.26%
Voting Age	20,261	12,810	5,036	1,978
		63.22%	24.86%	9.76%
County: Treutlen GA				
Total:	6,406	4,065	2,114	170
		63.46%	33.00%	2.65%
Voting Age	4,934	3,272	1,514	98
		66.32%	30.69%	1.99%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 12				
County: Warren GA				
Total:	5,215	1,974	3,128	53
		37.85%	59.98%	1.02%
Voting Age	4,159	1,716	2,360	46
		41.26%	56.74%	1.11%
County: Washington GA				
Total:	19,988	8,412	10,969	334
		42.09%	54.88%	1.67%
Voting Age	15,709	6,944	8,333	235
		44.20%	53.05%	1.50%
County: Wheeler GA				
Total:	7,471	4,157	2,949	272
		55.64%	39.47%	3.64%
Voting Age	6,217	3,418	2,561	174
		54.98%	41.19%	2.80%
County: Wilkes GA				
Total:	7,763	3,872	3,422	302
		49.88%	44.08%	3.89%
Voting Age	6,160	3,257	2,583	189
		52.87%	41.93%	3.07%
District 12 Total				
Total:	765,136	398,843	294,961	43,065
		52.13%	38.55%	5.63%
Voting Age	588,119	321,394	215,958	28,628
		54.65%	36.72%	4.87%
District 13				
County: Clayton GA				
Total:	259,676	23,324	188,757	36,049
		8.98%	72.69%	13.88%
Voting Age	192,693	21,052	138,553	23,193
		10.93%	71.90%	12.04%
County: Cobb GA				
Total:	125,029	35,498	56,579	27,993
		28.39%	45.25%	22.39%
Voting Age	94,104	29,952	41,953	17,986
		31.83%	44.58%	19.11%
County: Douglas GA				
Total:	101,267	26,463	60,619	11,835
		26.13%	59.86%	11.69%
Voting Age	75,827	22,474	43,695	7,538
		29.64%	57.62%	9.94%
County: Fayette GA				
Total:	16,509	5,071	9,334	1,415
		30.72%	56.54%	8.57%
Voting Age	13,259	4,527	7,282	898
		34.14%	54.92%	6.77%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 13				
County: Fulton GA				
Total:	164,371	9,267	146,286	8,173
		5.64%	89.00%	4.97%
Voting Age	123,766	8,240	109,273	5,487
		6.66%	88.29%	4.43%
County: Henry GA				
Total:	98,285	25,483	58,519	8,089
		25.93%	59.54%	8.23%
Voting Age	75,140	21,915	42,907	5,365
		29.17%	57.10%	7.14%
District 13 Total				
Total:	765,137	125,106	520,094	93,554
		16.35%	67.97%	12.23%
Voting Age	574,789	108,160	383,663	60,467
		18.82%	66.75%	10.52%
District 14				
County: Catoosa GA				
Total:	67,872	59,280	2,642	2,341
		87.34%	3.89%	3.45%
Voting Age	52,448	46,578	1,684	1,492
		88.81%	3.21%	2.84%
County: Chattooga GA				
Total:	24,965	20,079	2,865	1,297
		80.43%	11.48%	5.20%
Voting Age	19,416	15,885	2,235	733
		81.81%	11.51%	3.78%
County: Cobb GA				
Total:	77,914	27,347	38,183	9,997
		35.10%	49.01%	12.83%
Voting Age	58,910	23,036	27,367	6,479
		39.10%	46.46%	11.00%
County: Dade GA				
Total:	16,251	14,786	228	364
		90.99%	1.40%	2.24%
Voting Age	12,987	11,925	140	243
		91.82%	1.08%	1.87%
County: Floyd GA				
Total:	98,584	67,747	15,606	11,466
		68.72%	15.83%	11.63%
Voting Age	76,295	55,088	11,064	7,167
		72.20%	14.50%	9.39%
County: Gordon GA				
Total:	57,544	43,317	2,919	8,957
		75.28%	5.07%	15.57%
Voting Age	43,500	34,084	1,939	5,592
		78.35%	4.46%	12.86%

Plan Components with Population Detail

Ga_Congress_Enacted_2021_P

	Total Population	NH_Wht	AP_Blk	[Hispanic Origin]
District 14				
County: Murray GA				
Total:	39,973	32,164	556	5,914
		80.46%	1.39%	14.79%
Voting Age	30,210	25,146	321	3,696
		83.24%	1.06%	12.23%
County: Paulding GA				
Total:	168,661	108,444	41,296	12,564
		64.30%	24.48%	7.45%
Voting Age	123,998	83,066	28,164	7,974
		66.99%	22.71%	6.43%
County: Polk GA				
Total:	42,853	30,161	5,816	5,585
		70.38%	13.57%	13.03%
Voting Age	32,238	24,049	3,991	3,252
		74.60%	12.38%	10.09%
County: Walker GA				
Total:	67,654	59,654	3,664	1,685
		88.18%	5.42%	2.49%
Voting Age	52,794	47,292	2,454	1,066
		89.58%	4.65%	2.02%
County: Whitfield GA				
Total:	102,864	57,875	4,919	36,916
		56.26%	4.78%	35.89%
Voting Age	76,262	46,881	3,349	23,553
		61.47%	4.39%	30.88%
District 14 Total				
Total:	765,135	520,854	118,694	97,086
		68.07%	15.51%	12.69%
Voting Age	579,058	413,030	82,708	61,247
		71.33%	14.28%	10.58%

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT L-1

User:
Plan Name: Illustrative Plan
Plan Type:

Measures of Compactness Report

Tuesday, November 22, 2022 4:41 PM

	Reock	Polsby-Popper
Sum	N/A	N/A
Min	0.28	0.18
Max	0.51	0.39
Mean	0.43	0.27
Std. Dev.	0.07	0.06

District	Reock	Polsby-Popper
001	0.46	0.29
002	0.46	0.27
003	0.39	0.24
004	0.28	0.22
005	0.51	0.32
006	0.45	0.27
007	0.50	0.39
008	0.34	0.21
009	0.40	0.32
010	0.40	0.18
011	0.40	0.19

Measures of Compactness Report

	Reock	Polsby-Popper
Sum	N/A	N/A
Min	0.28	0.18
Max	0.51	0.39
Mean	0.43	0.27
Std. Dev.	0.07	0.06

District	Reock	Polsby-Popper
012	**0.50**	**0.28**
013	**0.44**	**0.29**
014	**0.48**	**0.34**

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT L-2

User:
Plan Name: **Enacted Congress B-V-C**
Plan Type: **Congress**

Measures of Compactness Report

Sunday, December 4, 2022 11:15 PM

	Reock	Polsby-Popper
Mean	0.45	0.26
Min	0.33	0.16
Max	0.55	0.37
Std. Dev.	0.07	0.06
Sum		

	Higher Number is Better		Lower Number is Better
District	Reock	Polsby-Popper	
1	0.40	0.23	
2	0.44	0.31	
3	0.55	0.28	
4	0.54	0.27	
5	0.52	0.37	
6	0.49	0.27	
7	0.45	0.26	
8	0.33	0.16	
9	0.36	0.30	
10	0.52	0.27	
11	0.50	0.28	
12	0.41	0.19	
13	0.38	0.16	
14	0.45	0.31	

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT L-3

User:
Plan Name: _Enacted_2021_Plan
Plan Type:

Measures of Compactness Report

Tuesday, November 22, 2022 4:39 PM

	Reock	Polsby-Popper
Mean	0.44	0.27
Min	0.31	0.16
Max	0.56	0.39
Std. Dev.	0.07	0.06
Sum		

	Higher Number is Better		Lower Number is Better
District	**Reock**	**Polsby-Popper**	
1	0.46	0.29	
2	0.46	0.27	
3	0.46	0.28	
4	0.31	0.25	
5	0.51	0.32	
6	0.42	0.20	
7	0.50	0.39	
8	0.34	0.21	
9	0.38	0.25	
10	0.56	0.28	
11	0.48	0.21	
12	0.50	0.28	
13	0.38	0.16	
14	0.43	0.37	

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-1

User:
Plan Name: Illustrative Plan
Plan Type:

Political Subdivison Splits Between Districts

Saturday, November 19, 2022 8:40 PM

Split Counts

Number of subdivisions split into more than one district:		Number of splits involving no population:	
County	15	County	0
Voting District	43	Voting District	1

Number of times a subdivision is split into multiple districts:

County	18
Voting District	44

County	Voting District	District	Population
Split Counties:			
Bibb GA		002	108,371
Bibb GA		008	48,975
Cherokee GA		011	122,400
Cherokee GA		014	144,220
Clayton GA		005	37,919
Clayton GA		013	259,676
Cobb GA		003	25,421
Cobb GA		006	452,386
Cobb GA		011	288,342
DeKalb GA		004	601,451
DeKalb GA		005	162,931
Effingham GA		001	47,208
Effingham GA		012	17,561
Fayette GA		006	4,143
Fayette GA		013	115,051
Fulton GA		005	564,287
Fulton GA		006	164,371
Fulton GA		007	92,558
Fulton GA		011	245,494
Gwinnett GA		007	672,579
Gwinnett GA		009	284,483
Hall GA		009	153,463
Hall GA		010	49,673
Houston GA		002	48,521
Houston GA		008	115,112
Lumpkin GA		010	29,598
Lumpkin GA		014	3,890
Muscogee GA		002	175,155
Muscogee GA		003	31,767
Newton GA		004	70,115
Newton GA		013	42,368
Wilkes GA		010	1,802
Wilkes GA		012	7,763

Political Subdivison Splits Between Districts

Nov14_GA_congress

County	Voting District	District	Population
Split VTDs:			
Bibb GA	HOWARD 2	002	0
Bibb GA	HOWARD 2	008	5,445
Bibb GA	VINEVILLE 6	002	2,527
Bibb GA	VINEVILLE 6	008	1,846
Cherokee GA	ARNOLD MILL	011	5,916
Cherokee GA	ARNOLD MILL	014	623
Cherokee GA	TOONIGH	011	373
Cherokee GA	TOONIGH	014	8,830
Cobb GA	Durham 01	003	987
Cobb GA	Durham 01	011	4,330
Cobb GA	Eastside 02	006	4,603
Cobb GA	Eastside 02	011	598
Cobb GA	Elizabeth 02	006	334
Cobb GA	Elizabeth 02	011	2,968
Cobb GA	Harrison 01	003	3,865
Cobb GA	Harrison 01	011	85
Cobb GA	Kemp 03	003	4,841
Cobb GA	Kemp 03	006	30
Cobb GA	Kennesaw 1A	006	2,972
Cobb GA	Kennesaw 1A	011	1,471
Cobb GA	Kennesaw 3A	006	3,540
Cobb GA	Kennesaw 3A	011	5,962
Cobb GA	Lost Mountain 03	003	31
Cobb GA	Lost Mountain 03	006	6,841
Cobb GA	Pine Mountain 02	003	23
Cobb GA	Pine Mountain 02	006	967
Cobb GA	Pine Mountain 02	011	2,986
Cobb GA	Sewell Mill 03	006	4,245
Cobb GA	Sewell Mill 03	011	2,692
DeKalb GA	Avondale (AVO)	004	341
DeKalb GA	Avondale (AVO)	005	3,226
DeKalb GA	North Decatur	004	2,220
DeKalb GA	North Decatur	005	1,670
DeKalb GA	Scott	004	2,482
DeKalb GA	Scott	005	1,434
Effingham GA	4B	001	2,759
Effingham GA	4B	012	160
Fayette GA	RAREOVER	006	2,062
Fayette GA	RAREOVER	013	1,650
Fayette GA	SANDY CREEK	006	2,081
Fayette GA	SANDY CREEK	013	4,627
Fulton GA	11C	005	3,058
Fulton GA	11C	006	700
Fulton GA	CP051	005	79
Fulton GA	CP051	006	1,718
Fulton GA	RW21	007	4,138

Political Subdivison Splits Between Districts

Nov14_GA_congress

County	Voting District	District	Population
Fulton GA	RW21	011	164
Fulton GA	RW22A	007	11
Fulton GA	RW22A	011	7,186
Fulton GA	SC02	005	220
Fulton GA	SC02	006	773
Fulton GA	SS01	007	1,550
Fulton GA	SS01	011	3,803
Fulton GA	SS03	005	1,254
Fulton GA	SS03	011	900
Fulton GA	SS04	005	219
Fulton GA	SS04	011	5,019
Fulton GA	SS08C	005	438
Fulton GA	SS08C	011	594
Fulton GA	SS18A	005	472
Fulton GA	SS18A	011	309
Gwinnett GA	SUWANEE G	007	815
Gwinnett GA	SUWANEE G	009	5,138
Hall GA	GAINESVILLE I	009	6,606
Hall GA	GAINESVILLE I	010	181
Hall GA	GLADE	009	25
Hall GA	GLADE	010	6,845
Hall GA	WHELCHEL	009	366
Hall GA	WHELCHEL	010	5,685
Lumpkin GA	DAHLONEGA	010	29,598
Lumpkin GA	DAHLONEGA	014	3,890
Muscogee GA	COLUMBUS TECH	002	7,876
Muscogee GA	COLUMBUS TECH	003	1,271
Muscogee GA	CORNERSTONE	002	10,259
Muscogee GA	CORNERSTONE	003	192
Muscogee GA	ST PAUL/CLUBVIEW	002	6,958
Muscogee GA	ST PAUL/CLUBVIEW	003	1,082
Newton GA	BEAVERDAM	004	101
Newton GA	BEAVERDAM	013	7,174
Newton GA	CROWELL	004	3,263
Newton GA	CROWELL	013	3,967
Newton GA	FAIRVIEW	004	856
Newton GA	FAIRVIEW	013	3,443
Wilkes GA	3174A - COURTHOUSE	010	106
Wilkes GA	3174A - COURTHOUSE	012	1,114
Wilkes GA	3174B - TIGNALL SCHOOL	010	774
Wilkes GA	3174B - TIGNALL SCHOOL	012	407

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-2

User:
Plan Name: **Enacted Congress B-V-C**
Plan Type: **Congress**

Political Subdivison Splits Between Districts

Sunday, December 4, 2022 11:19 PM

Split Counts

Number of subdivisions split into more than one district:		Number of splits involving no population:	
County	16	County	0
Voting District	64	Voting District	21

Number of times a subdivision is split into multiple districts:

County	22
Voting District	64

County	Voting District	District	Population
Split Counties:			
Bibb GA		2	109,356
Bibb GA		8	47,990
Clarke GA		9	17,724
Clarke GA		10	110,947
Clayton GA		5	117,339
Clayton GA		13	180,256
Cobb GA		6	193,750
Cobb GA		11	379,820
Cobb GA		13	192,579
Columbia GA		10	20,422
Columbia GA		12	135,588
DeKalb GA		4	393,310
DeKalb GA		5	174,792
DeKalb GA		6	196,280
Effingham GA		1	39,543
Effingham GA		12	25,226
Fayette GA		3	99,867
Fayette GA		13	19,327
Forsyth GA		7	183,316
Forsyth GA		9	67,967
Fulton GA		5	495,995
Fulton GA		6	375,763
Fulton GA		11	47,174
Fulton GA		13	147,778
Gwinnett GA		4	197,348
Gwinnett GA		7	676,124
Gwinnett GA		10	83,590
Henry GA		3	78,718
Henry GA		10	53,255
Henry GA		13	108,739
Lowndes GA		1	6,307
Lowndes GA		8	111,944
Muscogee GA		2	156,252

Political Subdivison Splits Between Districts

Enacted Congress B-V-C

County	Voting District	District	Population
Muscogee GA		3	50,670
Newton GA		4	89,533
Newton GA		10	22,950
Pickens GA		9	21,805
Pickens GA		14	11,411
Split VTDs:			
Bibb GA	HOWARD 2	2	736
Bibb GA	HOWARD 2	8	4,709
Cobb GA	Chattahoochee 01	6	5,702
Cobb GA	Chattahoochee 01	11	4,425
Cobb GA	Dobbins 01	11	13,401
Cobb GA	Dobbins 01	13	0
Cobb GA	East Piedmont 01	6	451
Cobb GA	East Piedmont 01	11	3,471
Cobb GA	Fair Oaks 04	11	5,624
Cobb GA	Fair Oaks 04	13	7,076
Cobb GA	Macland 01	11	0
Cobb GA	Macland 01	13	5,734
Cobb GA	Marietta 5A	6	1,457
Cobb GA	Marietta 5A	11	2,877
Cobb GA	Marietta 5B	6	0
Cobb GA	Marietta 5B	11	4,761
Cobb GA	Marietta 6A	6	1,493
Cobb GA	Marietta 6A	11	3,061
Cobb GA	Marietta 7A	6	1,271
Cobb GA	Marietta 7A	11	5,640
Cobb GA	McEachern	11	0
Cobb GA	McEachern	13	4,563
Cobb GA	Nickajack 01	11	6,126
Cobb GA	Nickajack 01	13	0
Cobb GA	Oakdale 01	11	4,545
Cobb GA	Oakdale 01	13	66
Cobb GA	Oregon 04	11	0
Cobb GA	Oregon 04	13	6,498
Cobb GA	Palmer 01	6	1,900
Cobb GA	Palmer 01	11	1,785
Cobb GA	Powers Ferry 01	6	464
Cobb GA	Powers Ferry 01	11	4,963
Cobb GA	Smyrna 3A	11	3,566
Cobb GA	Smyrna 3A	13	6,226
Cobb GA	Smyrna 4A	11	10
Cobb GA	Smyrna 4A	13	8,198
Cobb GA	Smyrna 5A	11	0
Cobb GA	Smyrna 5A	13	6,989
Cobb GA	Smyrna 6A	11	7,594
Cobb GA	Smyrna 6A	13	497
Cobb GA	Smyrna 7A	11	691

Political Subdivison Splits Between Districts

Enacted Congress B-V-C

County	Voting District	District	Population
Cobb GA	Smyrna 7A	13	7,904
Columbia GA	HARLEM BRANCH LIBRARY	10	2,566
Columbia GA	HARLEM BRANCH LIBRARY	12	3,473
Columbia GA	KIOKEE BAPT CHURCH	10	1,046
Columbia GA	KIOKEE BAPT CHURCH	12	2,544
DeKalb GA	Avondale High	4	2,174
DeKalb GA	Avondale High	5	1,676
DeKalb GA	Clairmont Road	4	4,525
DeKalb GA	Clairmont Road	5	0
DeKalb GA	Glennwood (DEC)	4	1,515
DeKalb GA	Glennwood (DEC)	5	1,765
DeKalb GA	Lakeside High	4	10
DeKalb GA	Lakeside High	6	4,534
DeKalb GA	Oak Grove Elem	4	3,231
DeKalb GA	Oak Grove Elem	6	0
DeKalb GA	Oak View Elem	4	10
DeKalb GA	Oak View Elem	5	6,304
DeKalb GA	Scott	4	3,914
DeKalb GA	Scott	5	2
DeKalb GA	Wadsworth	4	2,421
DeKalb GA	Wadsworth	5	923
DeKalb GA	Winnona Park (DEC)	4	18
DeKalb GA	Winnona Park (DEC)	5	2,866
Effingham GA	1B	1	2,790
Effingham GA	1B	12	1,605
Effingham GA	4B	1	959
Effingham GA	4B	12	1,960
Fayette GA	DOGWOOD	3	2,385
Fayette GA	DOGWOOD	13	1,354
Fayette GA	FAYETTEVILLE EAST	3	2,785
Fayette GA	FAYETTEVILLE EAST	13	15
Fayette GA	SANDY CREEK	3	5,259
Fayette GA	SANDY CREEK	13	1,449
Fayette GA	WILLOW POND	3	4,167
Fayette GA	WILLOW POND	13	0
Forsyth GA	BROWNS BRIDGE	7	6,555
Forsyth GA	BROWNS BRIDGE	9	6,362
Forsyth GA	HEARDSVILLE	7	22
Forsyth GA	HEARDSVILLE	9	12,978
Forsyth GA	MIDWAY	7	30,335
Forsyth GA	MIDWAY	9	91
Forsyth GA	OTWELL	7	15,056
Forsyth GA	OTWELL	9	3,404
Fulton GA	CP051	5	1,789
Fulton GA	CP051	13	8

Political Subdivison Splits Between Districts

Enacted Congress B-V-C

County	Voting District	District	Population
Fulton GA	EP04B	5	0
Fulton GA	EP04B	13	3,706
Fulton GA	SC19B	5	0
Fulton GA	SC19B	13	2,306
Gwinnett GA	BERKSHIRE J	4	3,703
Gwinnett GA	BERKSHIRE J	7	40
Gwinnett GA	CATES D	4	4,733
Gwinnett GA	CATES D	7	1,037
Gwinnett GA	CATES H	4	6,264
Gwinnett GA	CATES H	7	0
Gwinnett GA	DUNCANS D	7	0
Gwinnett GA	DUNCANS D	10	10,195
Gwinnett GA	HOG MOUNTAIN B	7	6,314
Gwinnett GA	HOG MOUNTAIN B	10	0
Gwinnett GA	PUCKETTS D	7	5,310
Gwinnett GA	PUCKETTS D	10	0
Gwinnett GA	ROCKYCREEK B	7	7,660
Gwinnett GA	ROCKYCREEK B	10	0
Henry GA	EAST LAKE	3	0
Henry GA	EAST LAKE	10	4,457
Henry GA	LAKE HAVEN	3	5,788
Henry GA	LAKE HAVEN	10	0
Henry GA	MCDONOUGH CENTRAL	3	5,969
Henry GA	MCDONOUGH CENTRAL	10	0
Henry GA	UNITY GROVE	3	3,615
Henry GA	UNITY GROVE	10	3,236
Lowndes GA	NAYLOR	1	1,130
Lowndes GA	NAYLOR	8	654
Lowndes GA	TRINITY	1	5,177
Lowndes GA	TRINITY	8	16,170
Muscogee GA	EPWORTH UMC	2	395
Muscogee GA	EPWORTH UMC	3	7,528
Muscogee GA	GENTIAN/REESE @LDS	2	9,501
Muscogee GA	GENTIAN/REESE @LDS	3	0
Muscogee GA	ST PAUL/CLUBVIEW	2	5,762
Muscogee GA	ST PAUL/CLUBVIEW	3	2,278
Newton GA	ALCOVY	4	6,166
Newton GA	ALCOVY	10	549
Newton GA	ROCKY PLAINS	4	674
Newton GA	ROCKY PLAINS	10	4,537
Pickens GA	TATE	9	1,211
Pickens GA	TATE	14	2,585

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-3

User:
Plan Name: **Enacted_2021_Plan**
Plan Type:

Political Subdivison Splits Between Districts

Tuesday, November 22, 2022 5:21 PM

Split Counts

Number of subdivisions split into more than one district:		Number of splits involving no population:	
County	15	County	0
Voting District	47	Voting District	1

Number of times a subdivision is split into multiple districts:

County	21
Voting District	47

County	Voting District	District	Population
Split Counties:			
Bibb GA		2	108,371
Bibb GA		8	48,975
Cherokee GA		6	40,881
Cherokee GA		11	225,739
Clayton GA		5	37,919
Clayton GA		13	259,676
Cobb GA		6	165,925
Cobb GA		11	397,281
Cobb GA		13	125,029
Cobb GA		14	77,914
DeKalb GA		4	601,451
DeKalb GA		5	162,931
Douglas GA		3	42,970
Douglas GA		13	101,267
Effingham GA		1	47,208
Effingham GA		12	17,561
Fayette GA		3	102,685
Fayette GA		13	16,509
Fulton GA		5	564,287
Fulton GA		6	245,494
Fulton GA		7	92,558
Fulton GA		13	164,371
Gwinnett GA		6	34,755
Gwinnett GA		7	672,579
Gwinnett GA		9	249,728
Henry GA		3	23,975
Henry GA		10	118,452
Henry GA		13	98,285
Houston GA		2	48,521
Houston GA		8	115,112
Muscogee GA		2	175,155
Muscogee GA		3	31,767
Newton GA		4	70,114

Political Subdivison Splits Between Districts

Ga_Congress_Enacted_2021_P

County	Voting District	District	Population
Newton GA		10	42,369
Wilkes GA		10	1,802
Wilkes GA		12	7,763
Split VTDs:			
Bibb GA	HOWARD 2	2	0
Bibb GA	HOWARD 2	8	5,445
Bibb GA	VINEVILLE 6	2	2,527
Bibb GA	VINEVILLE 6	8	1,846
Cherokee GA	HICKORY FLAT	6	2,468
Cherokee GA	HICKORY FLAT	11	7,593
Cobb GA	East Piedmont 01	6	3,511
Cobb GA	East Piedmont 01	11	411
Cobb GA	Eastside 02	6	459
Cobb GA	Eastside 02	11	4,742
Cobb GA	Elizabeth 01	6	177
Cobb GA	Elizabeth 01	11	5,693
Cobb GA	Kemp 02	11	2,051
Cobb GA	Kemp 02	14	3,151
Cobb GA	Mableton 01	13	5,999
Cobb GA	Mableton 01	14	1,103
Cobb GA	Mableton 02	13	4,152
Cobb GA	Mableton 02	14	1,531
Cobb GA	Marietta 5A	6	106
Cobb GA	Marietta 5A	11	4,228
Cobb GA	Marietta 5B	6	2,828
Cobb GA	Marietta 5B	11	1,933
Cobb GA	Marietta 6A	6	1,532
Cobb GA	Marietta 6A	11	3,022
Cobb GA	Nickajack 01	11	6,108
Cobb GA	Nickajack 01	13	18
Cobb GA	Oakdale 01	11	3,804
Cobb GA	Oakdale 01	13	807
Cobb GA	Oregon 05	11	3,496
Cobb GA	Oregon 05	14	1,409
Cobb GA	Palmer 01	6	1,900
Cobb GA	Palmer 01	11	1,785
Cobb GA	Sewell Mill 03	6	5,051
Cobb GA	Sewell Mill 03	11	1,886
Cobb GA	Smyrna 3A	11	6,191
Cobb GA	Smyrna 3A	13	3,601
Cobb GA	Smyrna 5A	11	1,557
Cobb GA	Smyrna 5A	13	5,432
Cobb GA	Smyrna 7A	11	366
Cobb GA	Smyrna 7A	13	8,229
DeKalb GA	Avondale (AVO)	4	341
DeKalb GA	Avondale (AVO)	5	3,226
DeKalb GA	North Decatur	4	2,220

Political Subdivison Splits Between Districts

Ga_Congress_Enacted_2021_P

County	Voting District	District	Population
DeKalb GA	North Decatur	5	1,670
DeKalb GA	Scott	4	2,482
DeKalb GA	Scott	5	1,434
Douglas GA	PRAYS MILL GYM	3	7,167
Douglas GA	PRAYS MILL GYM	13	324
Douglas GA	ST JULIANS EPISCOPAL	3	2,125
Douglas GA	ST JULIANS EPISCOPAL	13	1,028
Effingham GA	4B	1	2,759
Effingham GA	4B	12	160
Fulton GA	11C	5	3,058
Fulton GA	11C	13	700
Fulton GA	CP051	5	79
Fulton GA	CP051	13	1,718
Fulton GA	RW21	6	164
Fulton GA	RW21	7	4,138
Fulton GA	RW22A	6	7,186
Fulton GA	RW22A	7	11
Fulton GA	SC02	5	220
Fulton GA	SC02	13	773
Fulton GA	SS01	6	3,803
Fulton GA	SS01	7	1,550
Fulton GA	SS03	5	1,254
Fulton GA	SS03	6	900
Fulton GA	SS04	5	219
Fulton GA	SS04	6	5,019
Fulton GA	SS08C	5	438
Fulton GA	SS08C	6	594
Fulton GA	SS18A	5	472
Fulton GA	SS18A	6	309
Gwinnett GA	SUWANEE G	7	815
Gwinnett GA	SUWANEE G	9	5,138
Muscogee GA	COLUMBUS TECH	2	7,876
Muscogee GA	COLUMBUS TECH	3	1,271
Muscogee GA	CORNERSTONE	2	10,259
Muscogee GA	CORNERSTONE	3	192
Muscogee GA	ST PAUL/CLUBVIEW	2	6,958
Muscogee GA	ST PAUL/CLUBVIEW	3	1,082
Newton GA	ALCOVY	4	6,251
Newton GA	ALCOVY	10	464
Newton GA	CITY POND	4	2,372
Newton GA	CITY POND	10	712
Newton GA	DOWNS	4	114
Newton GA	DOWNS	10	8,507
Newton GA	LIVINGSTON	4	4,260
Newton GA	LIVINGSTON	10	2,077
Newton GA	OXFORD	4	1,737
Newton GA	OXFORD	10	2,304

Political Subdivison Splits Between Districts

Ga_Congress_Enacted_2021_P

County	Voting District	District	Population
Wilkes GA	3174A - COURTHOUSE	10	106
Wilkes GA	3174A - COURTHOUSE	12	1,114
Wilkes GA	3174B - TIGNALL SCHOOL	10	774
Wilkes GA	3174B - TIGNALL SCHOOL	12	407

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-4

User:
Plan Name: Illustrative Plan
Plan Type:

Communities of Interest (Condensed)

Tuesday, November 22, 2022 8:19 AM

Whole City/Town : 494
City/Town Splits: 84
Zero Population City/Town Splits: 6

District	City/Town	Population	% Pop
001	Guyton	285	12.45%
001	Springfield	18	0.67%
002	Barwick	258	71.07%
002	Pavo	380	61.09%
002	Perry	90	0.44%
002	Centerville	8,228	100.00%
002	Warner Robins	31,703	39.48%
002	Columbus	175,155	84.65%
002	Manchester	92	2.57%
003	Villa Rica	9,706	57.20%
003	Chattahoochee Hills	2	0.07%
003	Palmetto	561	11.06%
003	Columbus	31,767	15.35%
003	Manchester	3,492	97.43%
003	Taylorsville	35	13.89%
004	Social Circle	5	0.10%
004	Avondale Estates	341	9.56%
004	Atlanta	42	0.01%
005	Riverdale	0	0.00%
005	Forest Park	14,165	71.07%
005	Avondale Estates	3,226	90.44%
005	Sandy Springs	52,999	49.04%
005	South Fulton	3,731	3.47%
005	College Park	8,958	64.31%
005	East Point	34,652	90.34%
005	Atlanta	497,973	99.85%
006	Villa Rica	7,264	42.80%
006	Chattahoochee Hills	2,948	99.93%
006	Palmetto	4,510	88.94%
006	Tyrone	2,290	29.90%
006	South Fulton	103,705	96.53%
006	College Park	4,972	35.69%
006	East Point	3,706	9.66%
006	Atlanta	700	0.14%
006	Kennesaw	6,512	19.71%
006	Marietta	60,972	100.00%
007	Sandy Springs	1,550	1.43%
007	Roswell	4,165	4.49%
007	Alpharetta	4,390	6.67%
007	Suwanee	346	1.66%
007	Loganville	3,155	22.33%
007	Lawrenceville	29,016	94.73%
007	Dacula	6,882	100.00%
008	Barwick	105	28.93%
008	Pavo	242	38.91%
008	Perry	20,534	99.56%
008	McRae-Helena	6,253	100.00%
008	Centerville	0	0.00%
008	Warner Robins	48,605	60.52%
008	Allentown	190	97.44%
008	Scotland	166	95.95%
009	Auburn	225	3.00%
009	Braselton	11,396	85.03%
009	Gainesville	39,707	93.88%
009	Gillsville	212	69.28%
009	Maysville	834	44.67%
009	Suwanee	20,440	98.34%
009	Lawrenceville	1,613	5.27%
009	Dacula	0	0.00%
010	Social Circle	4,969	99.90%
010	Auburn	7,270	97.00%
010	Braselton	2,007	14.97%
010	Gainesville	2,589	6.12%
010	Gillsville	94	30.72%
010	Maysville	1,033	55.33%
010	Loganville	10,972	77.67%
011	Sandy Springs	53,531	49.53%
011	Roswell	88,668	95.51%
011	Kennesaw	26,524	80.29%
011	Alpharetta	61,428	93.33%
011	Taylorsville	217	86.11%
011	Marietta	0	0.00%
011	Woodstock	33,557	95.70%
011	Holly Springs	45	0.28%
012	McRae-Helena	0	0.00%
012	Allentown	5	2.56%
012	Scotland	7	4.05%
012	Guyton	2,004	87.55%

Communities of Interest (Condensed)

Nov14_GA_congress

District	City/Town	Population	% Pop	District	City/Town	Population	% Pop
012	Springfield	2,685	99.33%				
013	Tyrone	5,368	70.10%				
013	Riverdale	15,129	100.00%				
013	Forest Park	5,767	28.93%				
014	Woodstock	1,508	4.30%				
014	Holly Springs	16,168	99.72%				

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-5

User:
Plan Name: **Enacted Congress B-V-C**
Plan Type: **Congress**

Communities of Interest (Condensed)

Thursday, December 1, 2022 10:42 AM

Whole City/Town : 491
City/Town Splits: 91
Zero Population City/Town Splits: 6

District	City/Town	Population	% Pop	District	City/Town	Population	% Pop
1	Vernonburg	139	100.00%	2	Roberta	813	100.00%
1	Pooler	25,711	100.00%	2	Lilly	129	100.00%
1	Garden City	10,289	100.00%	2	Pinehurst	309	100.00%
1	Port Wentworth	10,878	100.00%	2	Unadilla	3,118	100.00%
				2	Perry	90	0.44%
1	Thunderbolt	2,556	100.00%	2	Fort Valley	8,780	100.00%
1	Rincon	10,934	100.00%	2	Warner Robins	565	0.70%
1	Tybee Island	3,114	100.00%				
1	Kingsland	18,337	100.00%	2	Byron	5,702	100.00%
1	St. Marys	18,256	100.00%	2	Bluffton	113	100.00%
1	Woodbine	1,062	100.00%	2	Edison	1,230	100.00%
1	Waycross	13,942	100.00%	2	Cuthbert	3,143	100.00%
1	Homeland	886	100.00%	2	Morgan	1,741	100.00%
1	Folkston	4,464	100.00%	2	Leary	524	100.00%
1	Hoboken	480	100.00%	2	Shellman	861	100.00%
1	Blackshear	3,506	100.00%	2	Dawson	4,414	100.00%
1	Patterson	749	100.00%	2	Parrott	120	100.00%
1	Offerman	450	100.00%	2	Lumpkin	891	100.00%
1	Nahunta	1,013	100.00%	2	Richland	1,370	100.00%
1	Alma	3,433	100.00%	2	Buena Vista	1,585	100.00%
1	Screven	769	100.00%	2	Albany	69,647	100.00%
1	Odum	463	100.00%	2	Sasser	287	100.00%
1	Jesup	9,809	100.00%	2	Bronwood	334	100.00%
1	Brunswick	15,210	100.00%	2	Leesburg	3,480	100.00%
1	Darien	1,460	100.00%	2	Smithville	593	100.00%
1	Ludowici	1,590	100.00%	2	Leslie	344	100.00%
1	Gumbranch	235	100.00%	2	De Soto	124	100.00%
1	Walthourville	3,680	100.00%	2	Plains	573	100.00%
1	Allenhurst	816	100.00%	2	Ellaville	1,595	100.00%
1	Hinesville	34,891	100.00%	2	Jakin	131	100.00%
1	Flemington	825	100.00%	2	Bainbridge	14,468	100.00%
1	Riceboro	615	100.00%	2	Attapulgus	454	100.00%
1	Midway	2,141	100.00%	2	Climax	276	100.00%
1	Richmond Hill	16,633	100.00%	2	Donalsonville	2,833	100.00%
				2	Iron City	312	100.00%
1	Pembroke	2,513	100.00%	2	Brinson	217	100.00%
1	Bloomingdale	2,790	100.00%	2	Colquitt	2,001	100.00%
1	Savannah	147,780	100.00%	2	Blakely	5,371	100.00%
1	Du Pont	134	100.00%	2	Damascus	212	100.00%
1	Fargo	250	100.00%	2	Arlington	1,209	100.00%
1	Homerville	2,344	100.00%	2	Whigham	428	100.00%
1	Argyle	190	100.00%	2	Cairo	10,179	100.00%
2	Butler	1,881	100.00%	2	Pelham	3,507	100.00%
2	Reynolds	926	100.00%	2	Newton	602	100.00%

Communities of Interest (Condensed)

Enacted Congress B-V-C

District	City/Town	Population	% Pop
2	Camilla	5,187	100.00%
2	Baconton	856	100.00%
2	Meigs	38	4.09%
2	Sale City	354	100.00%
2	Fort Gaines	995	100.00%
2	Americus	16,230	100.00%
2	Ideal	407	100.00%
2	Andersonville	237	100.00%
2	Dooling	68	100.00%
2	Byromville	422	100.00%
2	Oglethorpe	995	100.00%
2	Montezuma	3,047	100.00%
2	Marshallville	1,048	100.00%
2	Columbus	156,252	75.51%
2	Geneva	75	100.00%
2	Junction City	138	100.00%
2	Talbotton	742	100.00%
2	Manchester	92	2.57%
2	Woodland	305	100.00%
2	Cordele	10,220	100.00%
2	Arabi	447	100.00%
2	Vienna	2,928	100.00%
3	Villa Rica	9,706	57.20%
3	Chattahoochee Hills	2	0.07%
3	Newnan	42,549	100.00%
3	Gay	110	100.00%
3	Haralson	172	100.00%
3	Concord	378	100.00%
3	Sharpsburg	327	100.00%
3	Turin	347	100.00%
3	Senoia	5,016	100.00%
3	Peachtree City	38,244	100.00%
3	Palmetto	561	11.06%
3	Tyrone	7,658	100.00%
3	Brooks	568	100.00%
3	Woolsey	206	100.00%
3	Fayetteville	18,291	96.49%
3	Thomaston	9,816	100.00%
3	Yatesville	394	100.00%
3	Zebulon	1,225	100.00%
3	Meansville	266	100.00%
3	Williamson	681	100.00%
3	Aldora	0	0.00%
3	Barnesville	6,292	100.00%
3	Milner	772	100.00%
3	Griffin	23,478	100.00%
3	Orchard Hill	219	100.00%
3	Sunny Side	203	100.00%
3	Hampton	4,857	58.04%
3	Stockbridge	0	0.00%
3	McDonough	19,568	67.36%
3	Locust Grove	8,947	100.00%
3	Mount Zion	1,766	100.00%
3	Carrollton	26,738	100.00%
3	Bremen	65	0.90%
3	Temple	5,026	98.76%
3	Ephesus	471	100.00%
3	Bowdon	2,161	100.00%
3	Franklin	950	100.00%
3	Centralhatchee	348	100.00%
3	Roopville	231	100.00%
3	West Point	3,719	100.00%
3	LaGrange	30,858	100.00%
3	Columbus	50,670	24.49%
3	Hamilton	1,680	100.00%
3	Waverly Hall	638	100.00%
3	Pine Mountain	1,216	100.00%
3	Shiloh	402	100.00%
3	Warm Springs	465	100.00%
3	Manchester	3,492	97.43%
3	Woodbury	908	100.00%
3	Molena	392	100.00%
3	Hogansville	3,267	100.00%
3	Lone Oak	114	100.00%
3	Grantville	3,103	100.00%
3	Greenville	794	100.00%
3	Luthersville	776	100.00%
3	Moreland	382	100.00%
3	Whitesburg	596	100.00%
4	Covington	14,144	99.66%
4	Oxford	2,308	100.00%
4	Decatur	6,020	24.15%
4	Avondale Estates	3,567	100.00%
4	Clarkston	14,756	100.00%
4	Pine Lake	752	100.00%
4	Stone Mountain	6,703	100.00%
4	Tucker	24,906	67.30%
4	Stonecrest	59,194	100.00%
4	Lithonia	2,662	100.00%
4	Conyers	17,305	100.00%
4	Porterdale	1,799	100.00%
4	Lilburn	3,442	23.73%
4	Snellville	11,849	57.59%
4	Loganville	2,314	16.38%
5	Riverdale	0	0.00%
5	Hapeville	6,553	100.00%
5	Forest Park	19,932	100.00%
5	Morrow	6,074	92.46%
5	Lake City	2,952	100.00%

Communities of Interest (Condensed)

Enacted Congress B-V-C

District	City/Town	Population	% Pop
5	Decatur	18,908	75.85%
5	Brookhaven	10,087	18.29%
5	South Fulton	17,214	16.02%
5	College Park	10,856	77.93%
5	East Point	34,652	90.34%
5	Atlanta	466,826	93.61%
6	Sandy Springs	92,792	85.85%
6	Brookhaven	45,074	81.71%
6	Dunwoody	51,683	100.00%
6	Chamblee	30,164	100.00%
6	Roswell	92,833	100.00%
6	Doraville	10,623	100.00%
6	Tucker	12,099	32.70%
6	Atlanta	3	0.00%
6	Alpharetta	65,818	100.00%
6	Johns Creek	82,453	100.00%
6	Milton	41,296	100.00%
6	Marietta	7,962	13.06%
6	Mountain Park	571	97.94%
7	Norcross	17,209	100.00%
7	Peachtree Corners	42,243	100.00%
7	Braselton	10	0.07%
7	Berkeley Lake	2,054	100.00%
7	Duluth	31,873	100.00%
7	Lilburn	11,060	76.27%
7	Suwanee	20,786	100.00%
7	Snellville	8,724	42.41%
7	Grayson	4,730	100.00%
7	Loganville	841	5.95%
7	Lawrenceville	30,629	100.00%
7	Dacula	0	0.00%
7	Cumming	7,318	100.00%
7	Sugar Hill	25,076	100.00%
7	Buford	14,479	84.46%
7	Rest Haven	20	44.44%
8	Culloden	200	100.00%
8	Forsyth	4,384	100.00%
8	Boston	1,207	100.00%
8	Barwick	363	100.00%
8	Quitman	4,064	100.00%
8	Coolidge	528	100.00%
8	Moultrie	14,638	100.00%
8	Pavo	622	100.00%
8	Funston	402	100.00%
8	Norman Park	963	100.00%
8	Morven	506	100.00%
8	Berlin	511	100.00%
8	Perry	20,534	99.56%
8	Pineview	454	100.00%
8	Hawkinsville	3,980	100.00%
8	Ocilla	3,498	100.00%
8	Fitzgerald	9,006	100.00%
8	Jacksonville	111	100.00%
8	Abbeville	2,685	100.00%
8	Rhine	295	100.00%
8	Eastman	5,658	100.00%
8	Cochran	5,026	100.00%
8	Chester	525	100.00%
8	Milan	613	100.00%
8	Chauncey	289	100.00%
8	McRae-Helena	6,253	100.00%
8	Centerville	8,228	100.00%
8	Warner Robins	79,743	99.30%
8	Gray	3,436	100.00%
8	Danville	165	100.00%
8	Jeffersonville	977	100.00%
8	Allentown	190	97.44%
8	Gordon	1,783	100.00%
8	Ivey	1,037	100.00%
8	Irwinton	531	100.00%
8	McIntyre	575	100.00%
8	Toomsboro	383	100.00%
8	Warwick	504	100.00%
8	Thomasville	18,881	100.00%
8	Ochlocknee	672	100.00%
8	Meigs	890	95.91%
8	Doerun	738	100.00%
8	Sylvester	5,644	100.00%
8	Poulan	760	100.00%
8	Sumner	445	100.00%
8	Ty Ty	641	100.00%
8	Sycamore	692	100.00%
8	Ashburn	4,291	100.00%
8	Tifton	17,045	100.00%
8	Pitts	252	100.00%
8	Rebecca	208	100.00%
8	Rochelle	1,167	100.00%
8	Lumber City	967	100.00%
8	Scotland	166	95.95%
8	Ellenton	210	100.00%
8	Hahira	3,384	100.00%
8	Cecil	284	100.00%
8	Sparks	2,043	100.00%
8	Adel	5,571	100.00%
8	Omega	1,318	100.00%
8	Lenox	752	100.00%
8	Remerton	1,334	100.00%
8	Valdosta	55,378	100.00%
8	Lake Park	932	100.00%
8	Dasher	890	100.00%
8	Ray City	956	100.00%

Communities of Interest (Condensed)

Enacted Congress B-V-C

District	City/Town	Population	% Pop
8	Nashville	4,947	100.00%
8	Enigma	1,058	100.00%
8	Alapaha	481	100.00%
8	Lakeland	2,875	100.00%
8	Willacoochee	1,240	100.00%
8	Pearson	1,821	100.00%
9	Hartwell	4,470	100.00%
9	Helen	531	100.00%
9	Young Harris	1,098	100.00%
9	Hiawassee	981	100.00%
9	Clarkesville	1,911	100.00%
9	Tallulah Falls	199	100.00%
9	Tiger	422	100.00%
9	Clayton	2,003	100.00%
9	Mountain City	904	100.00%
9	Dillard	337	100.00%
9	Sky Valley	482	100.00%
9	Cornelia	4,503	100.00%
9	Mount Airy	1,391	100.00%
9	Demorest	2,022	100.00%
9	Winterville	1,201	100.00%
9	Hull	230	100.00%
9	Colbert	630	100.00%
9	Comer	1,512	100.00%
9	Carlton	263	100.00%
9	Ila	350	100.00%
9	Danielsville	654	100.00%
9	Franklin Springs	1,155	100.00%
9	Royston	2,649	100.00%
9	Carnesville	713	100.00%
9	Toccoa	9,133	100.00%
9	Canon	643	100.00%
9	Lavonia	2,143	100.00%
9	Martin	336	100.00%
9	Avalon	233	100.00%
9	Bowman	872	100.00%
9	Elberton	4,640	100.00%
9	Bowersville	444	100.00%
9	Flowery Branch	9,391	100.00%
9	Dawsonville	3,720	100.00%
9	Dahlonega	7,537	100.00%
9	East Ellijay	650	100.00%
9	Ellijay	1,862	100.00%
9	McCaysville	1,149	100.00%
9	Blue Ridge	1,253	100.00%
9	Morganton	285	100.00%
9	Blairsville	616	100.00%
9	Jasper	4,018	98.38%
9	Arcade	1,884	100.00%
9	Braselton	7,490	55.88%
9	Hoschton	2,666	100.00%
9	Oakwood	4,822	100.00%
9	Gainesville	42,296	100.00%
9	Talmo	257	100.00%
9	Pendergrass	1,692	100.00%
9	Gillsville	306	100.00%
9	Clermont	1,021	100.00%
9	Cleveland	3,514	100.00%
9	Lula	2,822	100.00%
9	Jefferson	13,233	100.00%
9	Maysville	1,867	100.00%
9	Homer	1,264	100.00%
9	Nicholson	1,808	100.00%
9	Commerce	7,387	100.00%
9	Alto	970	100.00%
9	Baldwin	3,629	100.00%
9	Nelson	549	47.95%
9	Buford	2,665	15.54%
9	Rest Haven	25	55.56%
10	Sharon	104	100.00%
10	Washington	3,754	100.00%
10	Tignall	485	100.00%
10	Lincolnton	1,480	100.00%
10	Greensboro	3,648	100.00%
10	Woodville	264	100.00%
10	Maxeys	198	100.00%
10	Arnoldsville	431	100.00%
10	Lexington	203	100.00%
10	Crawford	821	100.00%
10	Union Point	1,597	100.00%
10	Crawfordville	479	100.00%
10	Rayle	158	100.00%
10	McDonough	9,483	32.64%
10	Jackson	5,557	100.00%
10	Flovilla	643	100.00%
10	Jenkinsburg	391	100.00%
10	Covington	48	0.34%
10	Walnut Grove	1,322	100.00%
10	Jersey	146	100.00%
10	Social Circle	4,974	100.00%
10	Monroe	14,928	100.00%
10	Between	402	100.00%
10	Auburn	7,495	100.00%
10	Carl	209	100.00%
10	Bethlehem	715	100.00%
10	Winder	18,338	100.00%
10	Rutledge	871	100.00%
10	Good Hope	339	100.00%
10	Bostwick	378	100.00%
10	Madison	4,447	100.00%
10	Buckhead	194	100.00%
10	Monticello	2,541	100.00%

Communities of Interest (Condensed)

District	City/Town	Population	% Pop
10	Mansfield	442	100.00%
10	Newborn	676	100.00%
10	Shady Dale	252	100.00%
10	Eatonton	6,307	100.00%
10	Oconee	197	100.00%
10	Deepstep	117	100.00%
10	Milledgeville	17,070	100.00%
10	Sparta	1,357	100.00%
10	Warrenton	1,744	100.00%
10	Norwood	202	100.00%
10	Camak	141	100.00%
10	Avera	223	100.00%
10	Stapleton	402	100.00%
10	Wrens	2,217	100.00%
10	Thomson	6,814	100.00%
10	Dearing	529	100.00%
10	Harlem	2,333	65.33%
10	White Plains	239	100.00%
10	Siloam	194	100.00%
10	Wrightsville	3,449	100.00%
10	Adrian	322	58.33%
10	Harrison	339	100.00%
10	Tennille	1,469	100.00%
10	Sandersville	5,813	100.00%
10	Riddleville	80	100.00%
10	Davisboro	1,832	100.00%
10	Kite	160	100.00%
10	Bartow	186	100.00%
10	Wadley	1,643	100.00%
10	Louisville	2,381	100.00%
10	Edge Hill	22	100.00%
10	Mitchell	153	100.00%
10	Gibson	630	100.00%
10	North High Shoals	552	100.00%
10	Statham	2,813	100.00%
10	Bogart	1,326	100.00%
10	Bishop	332	100.00%
10	Watkinsville	2,896	100.00%
10	Braselton	5,903	44.04%
10	Loganville	10,972	77.67%
10	Dacula	6,882	100.00%
11	Canton	32,973	100.00%
11	Sandy Springs	15,288	14.15%
11	Atlanta	31,886	6.39%
11	Acworth	22,440	100.00%
11	Kennesaw	33,036	100.00%
11	Ball Ground	2,560	100.00%
11	Nelson	596	52.05%
11	Taylorsville	217	86.11%
11	Kingston	722	100.00%
11	Marietta	53,010	86.94%
11	Smyrna	25,849	46.44%
11	Euharlee	4,268	100.00%
11	Emerson	1,415	100.00%
11	Cartersville	23,187	100.00%
11	White	661	100.00%
11	Adairsville	4,878	100.00%
11	Waleska	921	100.00%
11	Woodstock	35,065	100.00%
11	Holly Springs	16,213	100.00%
11	Mountain Park	12	2.06%
12	Oliver	210	100.00%
12	Sylvania	2,634	100.00%
12	Hiltonia	310	100.00%
12	Sardis	995	100.00%
12	Newington	290	100.00%
12	Girard	184	100.00%
12	Ambrose	327	100.00%
12	Douglas	11,722	100.00%
12	Broxton	1,060	100.00%
12	McRae-Helena	0	0.00%
12	Cadwell	381	100.00%
12	Dexter	655	100.00%
12	Rentz	312	100.00%
12	Allentown	5	2.56%
12	Montrose	203	100.00%
12	Dudley	593	100.00%
12	Dublin	16,074	100.00%
12	East Dublin	2,492	100.00%
12	Summertown	121	100.00%
12	Twin City	1,642	100.00%
12	Garfield	257	100.00%
12	Midville	385	100.00%
12	Portal	638	100.00%
12	Rocky Ford	167	100.00%
12	Millen	2,966	100.00%
12	Vidette	103	100.00%
12	Keysville	300	100.00%
12	Hephzibah	3,830	100.00%
12	Blythe	744	100.00%
12	Harlem	1,238	34.67%
12	Grovetown	15,577	100.00%
12	Waynesboro	5,799	100.00%
12	Nicholls	3,147	100.00%
12	Denton	189	100.00%
12	Hazlehurst	4,088	100.00%
12	Graham	263	100.00%
12	Baxley	4,942	100.00%
12	Scotland	7	4.05%
12	Alamo	771	100.00%
12	Glenwood	850	100.00%

Communities of Interest (Condensed)

District	City/Town	Population	% Pop
12	Mount Vernon	1,990	100.00%
12	Soperton	2,889	100.00%
12	Uvalda	439	100.00%
12	Alston	178	100.00%
12	Ailey	519	100.00%
12	Higgston	314	100.00%
12	Vidalia	10,785	100.00%
12	Santa Claus	204	100.00%
12	Lyons	4,239	100.00%
12	Tarrytown	66	100.00%
12	Oak Park	512	100.00%
12	Nunez	134	100.00%
12	Surrency	194	100.00%
12	Statesboro	33,438	100.00%
12	Brooklet	1,704	100.00%
12	Guyton	2,289	100.00%
12	Springfield	2,703	100.00%
12	Glennville	3,834	100.00%
12	Reidsville	2,515	100.00%
12	Collins	540	100.00%
12	Stillmore	439	100.00%
12	Cobbtown	341	100.00%
12	Metter	4,004	100.00%
12	Manassas	59	100.00%
12	Bellville	127	100.00%
12	Hagan	959	100.00%
12	Claxton	2,602	100.00%
12	Daisy	159	100.00%
12	Pulaski	211	100.00%
12	Register	157	100.00%
12	Adrian	230	41.67%
12	Swainsboro	7,425	100.00%
13	Villa Rica	7,264	42.80%
13	Chattahoochee Hills	2,948	99.93%
13	Douglasville	34,650	100.00%
13	Powder Springs	16,887	100.00%
13	Palmetto	4,510	88.94%
13	Tyrone	0	0.00%
13	Fairburn	16,483	100.00%
13	Fayetteville	666	3.51%
13	Hampton	3,511	41.96%
13	Jonesboro	4,235	100.00%
13	Lovejoy	10,122	100.00%
13	Stockbridge	28,973	100.00%
13	Riverdale	15,129	100.00%
13	Morrow	495	7.54%
13	Union City	26,830	100.00%
13	South Fulton	90,222	83.98%
13	College Park	3,074	22.07%
13	East Point	3,706	9.66%
13	Austell	7,713	100.00%
13	Smyrna	29,814	53.56%
14	Tunnel Hill	963	100.00%
14	Dalton	34,417	100.00%
14	Ringgold	3,414	100.00%
14	Cohutta	764	100.00%
14	Dallas	14,042	100.00%
14	Hiram	4,929	100.00%
14	Chatsworth	4,874	100.00%
14	Eton	824	100.00%
14	Varnell	2,179	100.00%
14	Jasper	66	1.62%
14	Talking Rock	91	100.00%
14	Menlo	480	100.00%
14	Tallapoosa	3,227	100.00%
14	Cedartown	10,190	100.00%
14	Waco	536	100.00%
14	Bremen	7,120	99.10%
14	Buchanan	938	100.00%
14	Temple	63	1.24%
14	Rockmart	4,732	100.00%
14	Aragon	1,440	100.00%
14	Braswell	355	100.00%
14	Cave Spring	1,174	100.00%
14	Lyerly	454	100.00%
14	Summerville	4,435	100.00%
14	Trion	1,960	100.00%
14	Rome	37,713	100.00%
14	Taylorsville	35	13.89%
14	Plainville	356	100.00%
14	Calhoun	16,949	100.00%
14	Resaca	1,142	100.00%
14	Trenton	2,195	100.00%
14	LaFayette	6,888	100.00%
14	Lookout Mountain	1,641	100.00%
14	Chickamauga	2,917	100.00%
14	Rossville	3,980	100.00%
14	Fort Oglethorpe	10,423	100.00%
14	Fairmount	772	100.00%
14	Ranger	107	100.00%

DECLARATION OF WILLIAM S. COOPER:
EXHIBIT M-6

User:
Plan Name: **Enacted_2021_Plan**
Plan Type:

Communities of Interest (Condensed)

Tuesday, November 22, 2022 8:11 AM

Whole City/Town : 488
City/Town Splits: 99
Zero Population City/Town Splits: 8

District	City/Town	Population	% Pop
1	Guyton GA	285	12.45%
1	Springfield GA	18	0.67%
2	Barwick GA	258	71.07%
2	Pavo GA	380	61.09%
2	Perry GA	90	0.44%
2	Centerville GA	8,228	100.00%
2	Warner Robins GA	31,703	39.48%
2	Columbus GA	175,155	84.65%
2	Manchester GA	92	2.57%
3	Chattahoochee Hills GA	2	0.07%
3	Douglasville GA	1,139	3.29%
3	Palmetto GA	561	11.06%
3	Tyrone GA	7,658	100.00%
3	Fayetteville GA	18,554	97.87%
3	McDonough GA	1,033	3.56%
3	Columbus GA	31,767	15.35%
3	Manchester GA	3,492	97.43%
4	Covington GA	13,954	98.32%
4	Oxford GA	2,275	98.57%
4	Avondale Estates GA	341	9.56%
4	Atlanta GA	42	0.01%
5	Riverdale GA	0	0.00%
5	Forest Park GA	14,165	71.07%
5	Avondale Estates GA	3,226	90.44%
5	Sandy Springs GA	52,999	49.04%
5	South Fulton GA	3,731	3.47%
5	College Park GA	8,958	64.31%
5	East Point GA	34,652	90.34%
5	Atlanta GA	497,973	99.85%
6	Sandy Springs GA	53,531	49.53%
6	Roswell GA	88,668	95.51%
6	Alpharetta GA	61,428	93.33%
6	Suwanee GA	0	0.00%
6	Nelson GA	596	52.05%
6	Sugar Hill GA	19,576	78.07%
6	Buford GA	695	4.05%
6	Marietta GA	8,207	13.46%
6	Holly Springs GA	404	2.49%
6	Mountain Park GA	571	97.94%
7	Sandy Springs GA	1,550	1.43%
7	Roswell GA	4,165	4.49%
7	Alpharetta GA	4,390	6.67%
7	Suwanee GA	346	1.66%
7	Loganville GA	3,155	22.33%
7	Lawrenceville GA	29,016	94.73%
7	Dacula GA	6,882	100.00%
8	Barwick GA	105	28.93%
8	Pavo GA	242	38.91%
8	Perry GA	20,534	99.56%
8	McRae-Helena GA	6,253	100.00%
8	Centerville GA	0	0.00%
8	Warner Robins GA	48,605	60.52%
8	Allentown GA	190	97.44%
8	Scotland GA	166	95.95%
9	Royston GA	2,648	99.96%
9	Auburn GA	225	3.00%
9	Braselton GA	7,160	53.42%
9	Maysville GA	1,033	55.33%
9	Suwanee GA	20,440	98.34%
9	Lawrenceville GA	1,613	5.27%
9	Dacula GA	0	0.00%
9	Sugar Hill GA	5,500	21.93%
9	Buford GA	16,449	95.95%

Communities of Interest (Condensed)

Ga_Congress_Enacted_2021_P

District	City/Town	Population	% Pop	District	City/Town	Population	% Pop
10	Royston GA	1	0.04%				
10	Stockbridge GA	0	0.00%				
10	McDonough GA	28,018	96.44%				
10	Covington GA	238	1.68%				
10	Oxford GA	33	1.43%				
10	Auburn GA	7,270	97.00%				
10	Braselton GA	6,243	46.58%				
10	Maysville GA	834	44.67%				
10	Loganville GA	10,972	77.67%				
11	Nelson GA	549	47.95%				
11	Taylorsville GA	217	86.11%				
11	Marietta GA	52,765	86.54%				
11	Smyrna GA	30,193	54.24%				
11	Holly Springs GA	15,809	97.51%				
11	Mountain Park GA	12	2.06%				
12	McRae-Helena GA	0	0.00%				
12	Allentown GA	5	2.56%				
12	Scotland GA	7	4.05%				
12	Guyton GA	2,004	87.55%				
12	Springfield GA	2,685	99.33%				
13	Chattahoochee Hills GA	2,948	99.93%				
13	Douglasville GA	33,511	96.71%				
13	Palmetto GA	4,510	88.94%				
13	Tyrone GA	0	0.00%				
13	Fayetteville GA	403	2.13%				
13	Stockbridge GA	28,973	100.00%				
13	Riverdale GA	15,129	100.00%				
13	Forest Park GA	5,767	28.93%				
13	South Fulton GA	103,705	96.53%				
13	College Park GA	4,972	35.69%				
13	East Point GA	3,706	9.66%				
13	Atlanta GA	700	0.14%				
13	Austell GA	126	1.63%				
13	Smyrna GA	25,470	45.76%				
14	Austell GA	7,587	98.37%				
14	Taylorsville GA	35	13.89%				