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U.S. DISTRICT COURT
N.D. OF ALABAMA

EXHIBIT 9

Hillyer Plan

Hillyer Plan

Plan Characteristics	Hillyer Plan
Maximum Population Deviation	1,193
Contiguous	Yes
Core Retention (% Population in Same District as in 2023 Plan): Statewide	70.8% ^
County Splits (out of 67 counties)	7
Voting District Splits (out of 1,837 voting districts)	0
Municipality Splits (out of 462 municipalities)	32
Municipality Splits, excluding where at least 95% of population is together	16
Birmingham Split (% Population)	District 4: 0.0%* District 6: 3.4% District 7: 96.6%
Mobile (City) Split (% Population)	District 1: 100%
Core Black Belt (out of 18 counties)	District 1: 4½ counties** District 2: 5 counties District 3: 2½ counties District 6: 1 county District 7: 5 counties
Compactness: Reock Score: Statewide	0.37
Compactness: Polsby-Popper Score: Statewide	0.24
Compactness: Population Polygon Score: Statewide	0.71
Compactness: Cut Edges: Statewide	3,043

** The city of Birmingham is split among three districts. 16 people (which rounds to 0.0% of the city population) are in District 4.*
*** Montgomery County is split between Districts 1 and 2; Barbour County is split between Districts 2 and 3. These splits are counted as "½" in each case.*
^ For the core retention analysis, the proposed labels for Districts 4 and 6 were swapped. Otherwise the statewide core retention would have been 47.0%.

District Characteristics	District 1	District 2	District 3	District 4	District 5	District 6	District 7
Total Population	717,314	717,478	717,159	717,827	7171,916	718,233	718,352
Core Retention (compared to 2023 Plan) ^	57.8%	53.4%	58.2%	47.2%	75.8%	64.8%	70.8%
Compactness: Reock Score	0.24	0.35	0.43	0.33	0.47	0.50	0.25
Compactness: Polsby-Popper Score	0.15	0.21	0.22	0.16	0.51	0.26	0.14
Compactness: Population Polygon Score	0.67	0.80	0.64	0.56	0.92	0.74	0.66
Black Voting Age Population	45.1%	20.9%	25.8%	13.5%	16.2%	9.8%	50.1%

Hillyer Plan Election Performance Analysis

The percentage below is the margin of victory or defeat of the Black-preferred candidate (equal to the vote count for the Black-preferred candidate minus the vote count for the other top-vote getting candidate, divided by the total number of votes of those two candidates, excluding third-party or "other" votes). The average is a simple average (equally weighted) of all unique election contests without duplicates; in the event of a duplicate, the Legislature's data was used.

Election Contest	**District 1**	**District 2**	**District 3**	**District 4**	**District 5**	**District 6**	**District 7**
Average	**5.1%**	-43.9%	-33.2%	-47.1%	-32.3%	-52.6%	**26.2%**
Count (out of 17 contests)	**11**	0	0	0	0	0	**17**
Data Supplied by the Legislature (Dr. Trey Hood)							
2017 U.S. Senate	**28.0%**	-20.9%	-6.2%	-16.3%	-2.7%	-31.9%	**48.4%**
2018 Attorney General	**12.6%**	-35.1%	-26.1%	-39.8%	-26.2%	-43.6%	**31.9%**
2018 Auditor	**9.5%**	-39.3%	-28.9%	-43.7%	-27.2%	-49.4%	**29.4%**
2018 Governor	**8.8%**	-39.5%	-29.3%	-37.8%	-26.1%	-44.7%	**31.9%**
2018 Lt. Governor	**8.0%**	-41.1%	-30.4%	-45.3%	-29.7%	-51.3%	**29.0%**
2018 Secretary of State	**8.2%**	-40.7%	-30.0%	-44.5%	-28.4%	-51.0%	**28.7%**
2020 President	**5.9%**	-43.7%	-33.0%	-46.0%	-30.7%	-57.6%	**26.6%**
2020 U.S. Senate	**10.9%**	-37.4%	-28.2%	-40.5%	-24.3%	-51.0%	**30.0%**
2022 Attorney General	-4.3%	-54.4%	-45.1%	-54.4%	-40.4%	-66.5%	**19.4%**
2022 Governor	-6.7%	-57.7%	-48.3%	-58.7%	-46.2%	-69.6%	**17.8%**
2022 Secretary of State	-2.7%	-55.0%	-45.4%	-55.3%	-40.8%	-66.8%	**20.4%**
2022 U.S. Senate	-5.2%	-55.8%	-45.8%	-55.2%	-41.8%	-66.8%	**19.5%**
Data Supplied by the Milligan Plaintiffs (Dr. Baodong Liu)							
2014 Auditor	-0.7%	-43.5%	-31.3%	-53.1%	-37.5%	-43.3%	**20.4%**
2014 Lt. Governor	**3.7%**	-44.7%	-30.8%	-54.6%	-40.5%	-38.1%	**20.6%**
2014 Secretary of State	**4.4%**	-44.9%	-32.7%	-57.6%	-41.0%	-47.1%	**19.7%**
2018 Auditor	**9.5%**	-39.6%	-28.9%	-43.2%	-27.2%	-49.4%	**29.3%**
2018 Lt. Governor	**8.0%**	-41.4%	-30.4%	-44.8%	-29.7%	-51.2%	**28.9%**
2018 Pub. Serv. Comm'n	**9.5%**	-40.0%	-28.8%	-43.5%	-27.2%	-49.8%	**30.1%**
2020 President	**10.0%**	-44.4%	-33.2%	-43.1%	-26.7%	-57.5%	**24.9%**
2022 Supreme Court	-2.9%	-53.5%	-44.0%	-54.0%	-39.1%	-65.4%	**22.1%**
2022 Attorney General	-4.3%	-54.6%	-45.2%	-54.2%	-40.4%	-66.5%	**21.4%**
2022 Governor	-6.6%	-57.9%	-48.3%	-58.6%	-46.2%	-69.6%	**19.9%**
2022 Secretary of State	-2.6%	-55.2%	-45.4%	-55.1%	-40.8%	-66.9%	**22.5%**
2022 U.S. Senate	-5.2%	-56.1%	-45.8%	-55.0%	-41.8%	-66.8%	**21.6%**

Lauderdale
Limestone
5
Jackson
Colbert
Madison
Lawrence
Morgan
Franklin
6
Marshall
DeKalb
Cullman
Cherokee
Marion
Winston
Etowah
Blount
4
Lamar
Fayette
Walker
St. Clair
Calhoun
Cleburne
Jefferson
Talladega
Pickens
Tuscaloosa
Shelby
Clay
Randolph
Greene
Bibb
Coosa
Tallapoosa
Chambers
7
Chilton
3
Hale
Perry
Lee
Sumter
Autauga
Elmore
Dallas
Macon
Russell
Marengo
1
Lowndes
Montgomery
Bullock
Choctaw
Wilcox
Barbour
Pike
Butler
Crenshaw
Clarke
Monroe
Henry
Washington
Coffee
Dale
Conecuh
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2
Geneva
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Mobile
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Hillyer
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Winston
Etowah
Blount
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Lamar
Fayette
Walker
St. Clair
Calhoun
Cleburne
Jefferson
Talladega
Pickens
Tuscaloosa
Shelby
Clay
Randolph
Greene
Bibb
Coosa
Tallapoosa
Chambers
7
Chilton
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Hale
Perry
Lee
Sumter
Autauga
Elmore
Dallas
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Russell
Marengo
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Lowndes
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