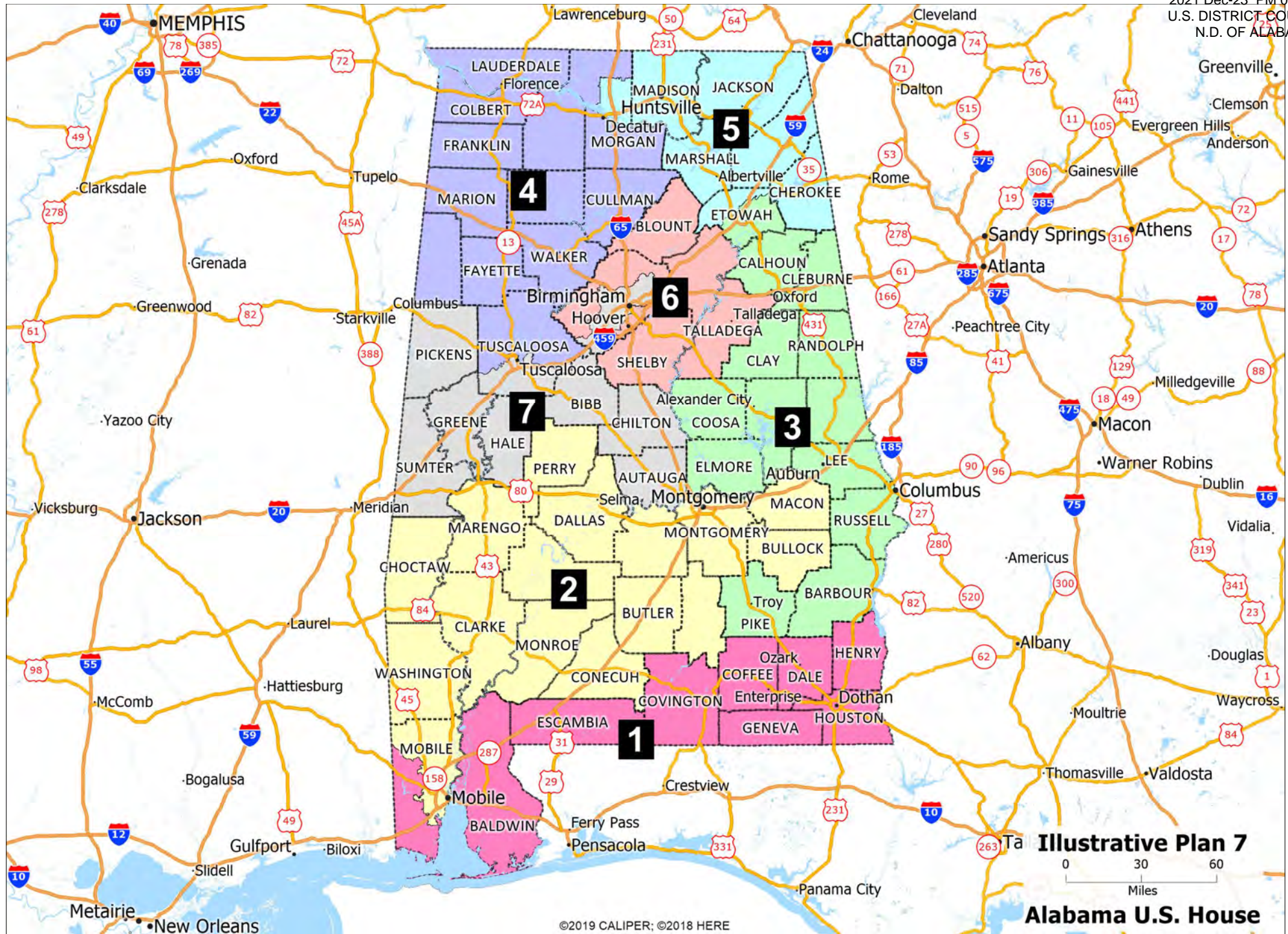
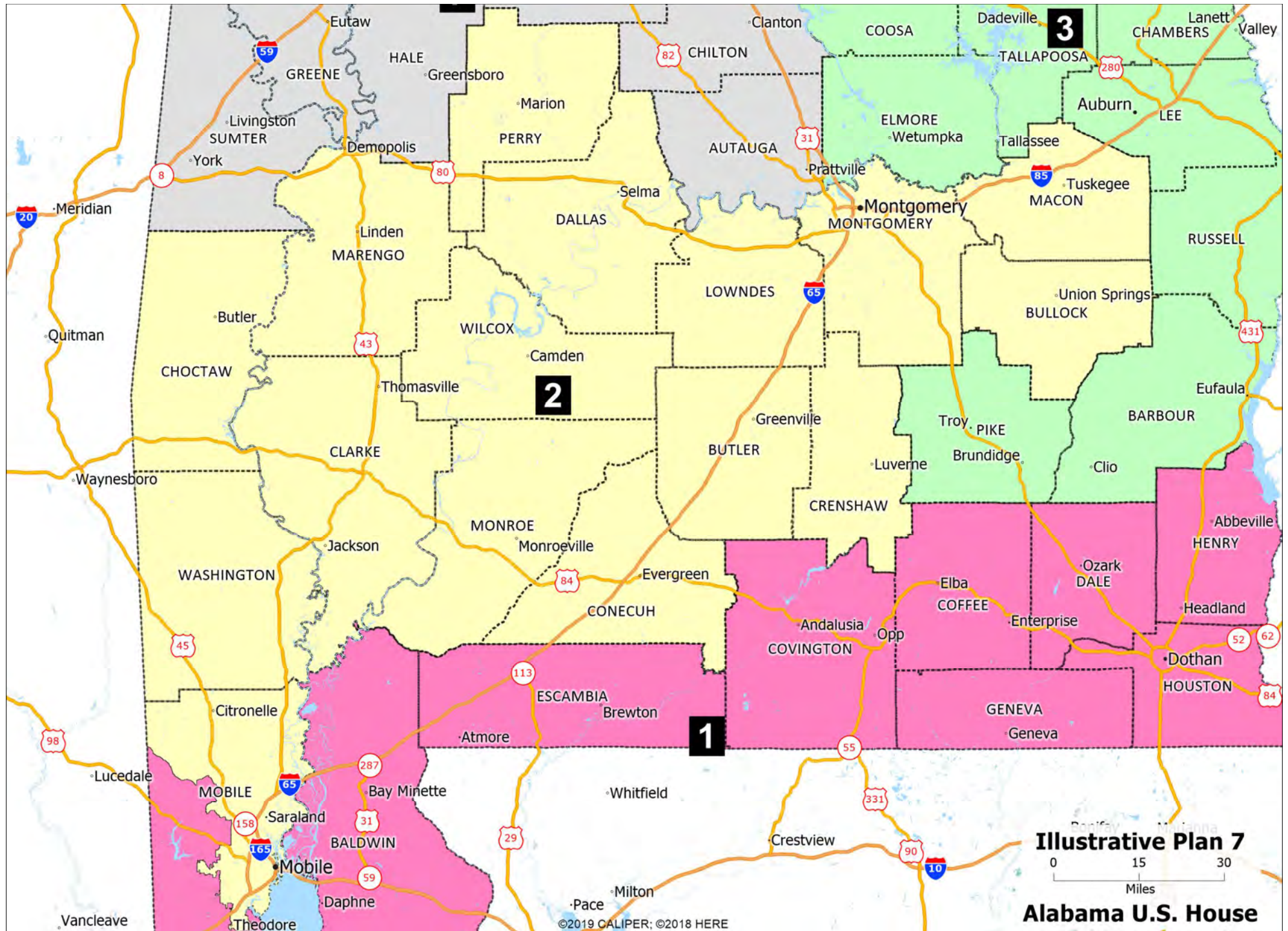


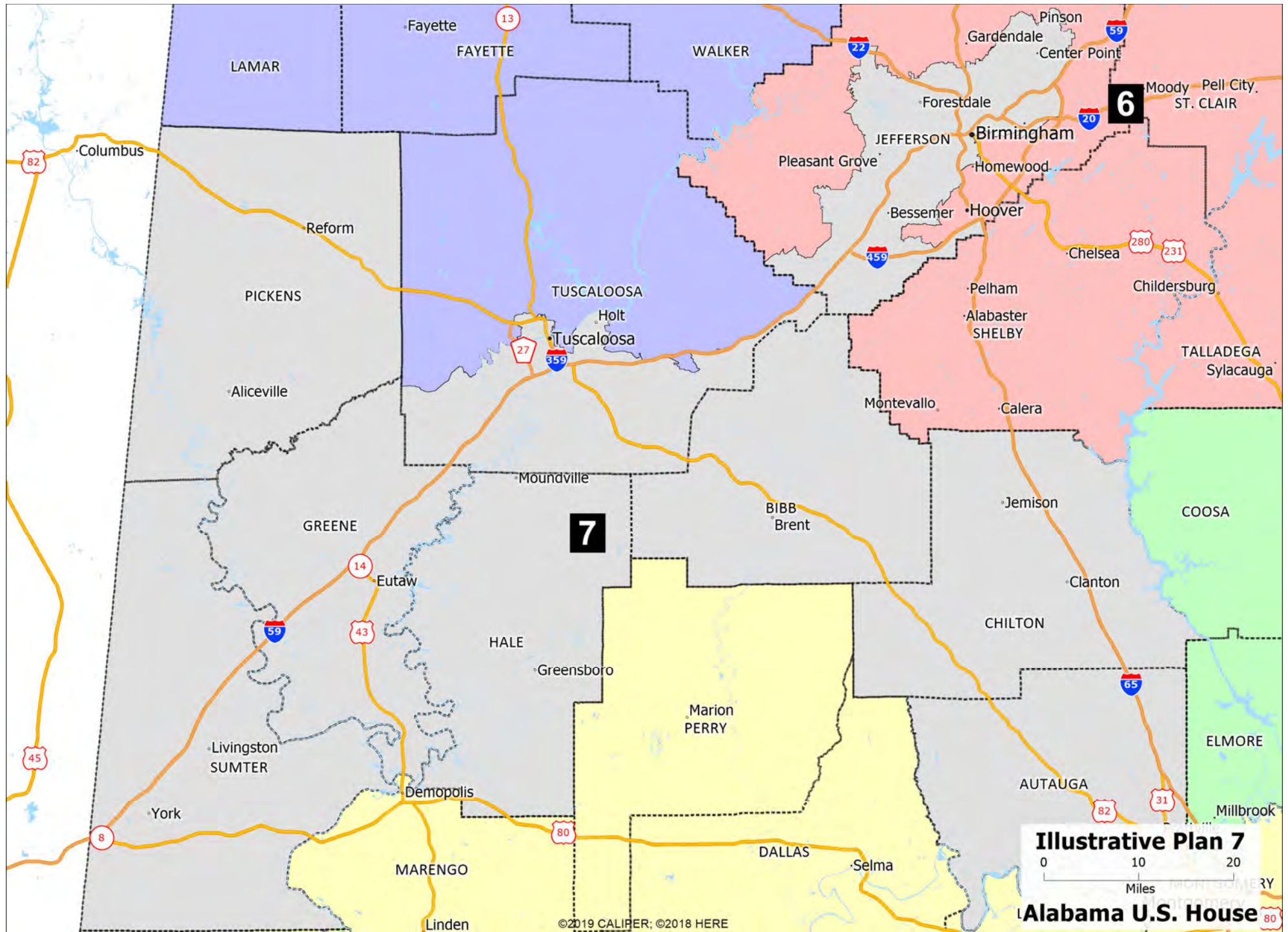
2021 Dec-23 PM 04:44
U.S. DISTRICT COURT
N.D. OF ALABAMA



Illustrative Plan 7

Alabama U.S. House





Illustrative Plan 7

0 10 20
Miles

Alabama U.S. House

User:
 Plan Name: **Illustrative Plan 7**
 Plan Type: **Congress**

Political Subdivison Splits Between Districts

Sunday, December 19, 2021

7:44 PM

Number of subdivisions not split:

County	62
Voting District	1,804

Number of subdivisions split into more than one district:

County	5
Voting District	33

Number of splits involving no population:

County	0
Voting District	5

Split Counts

County

Cases where an area is split among 2 Districts: 5

Voting District

Cases where an area is split among 2 Districts: 33

County	Voting District	District	Population
<i>Split Counties:</i>			
Etowah AL		3	83,952
Etowah AL		5	19,484
Jefferson AL		6	262,345
Jefferson AL		7	412,376
Limestone AL		4	40,222
Limestone AL		5	63,348
Mobile AL		1	157,861
Mobile AL		2	256,948
Tuscaloosa AL		4	101,753
Tuscaloosa AL		7	125,283
<i>Split VTDs:</i>			
Etowah AL	Lookout Mtn. Comm. Ctr.	3	2,337
Etowah AL	Lookout Mtn. Comm. Ctr.	5	626
Jefferson AL	Bluff Pk UM Church	6	5,846
Jefferson AL	Bluff Pk UM Church	7	0
Jefferson AL	Church at Grants Mill	6	906
Jefferson AL	Church at Grants Mill	7	2,256
Jefferson AL	Fultondale Sr Citizens Bldg	6	0
Jefferson AL	Fultondale Sr Citizens Bldg	7	5,086
Jefferson AL	Guiding Light Church	6	342
Jefferson AL	Guiding Light Church	7	1,924
Jefferson AL	Irondale City Hall	6	0

Political Subdivison Splits Between Districts

al_dec19_2pm

County	Voting District	District	Population
Jefferson AL	Irondale City Hall	7	1,385
Jefferson AL	Maurice West Comm Ctr	6	1,247
Jefferson AL	Maurice West Comm Ctr	7	841
Limestone AL	Athens Rec/Sr Ctr/Linsay/Friendship/Elkt on	4	3,340
Limestone AL	Athens Rec/Sr Ctr/Linsay/Friendship/Elkt on	5	25,413
Limestone AL	Isom's/Copeland/Bethel/C apshaw	4	2,055
Limestone AL	Isom's/Copeland/Bethel/C apshaw	5	23,261
Limestone AL	Westside Comm Ctr	4	6,959
Limestone AL	Westside Comm Ctr	5	32
Mobile AL	Churchula Bapt Ch	1	67
Mobile AL	Churchula Bapt Ch	2	2,143
Mobile AL	Creekwood Ch of Christ	1	9,827
Mobile AL	Creekwood Ch of Christ	2	455
Mobile AL	Dauphin Island UM Church	1	1,778
Mobile AL	Dauphin Island UM Church	2	0
Mobile AL	Dayspring Bapt Church	1	8,126
Mobile AL	Dayspring Bapt Church	2	668
Mobile AL	Friendship Miss Bapt Church	1	151
Mobile AL	Friendship Miss Bapt Church	2	3,677
Mobile AL	Georgetown Bapt Church	1	1,968
Mobile AL	Georgetown Bapt Church	2	1,362
Mobile AL	Hollingers Island Elem	1	2,426
Mobile AL	Hollingers Island Elem	2	184
Mobile AL	Holy Name of Jesus Church	1	7,746
Mobile AL	Holy Name of Jesus Church	2	164
Mobile AL	Indian Springs Church	1	3,007
Mobile AL	Indian Springs Church	2	5
Mobile AL	Magnolia Springs Church	1	4,756
Mobile AL	Magnolia Springs Church	2	314
Mobile AL	Mt. Ararat Bapt Church	1	1,552
Mobile AL	Mt. Ararat Bapt Church	2	1,154
Mobile AL	Seven Hills Church	1	8,595
Mobile AL	Seven Hills Church	2	7
Mobile AL	Sonrise Bapt Church	1	3,072
Mobile AL	Sonrise Bapt Church	2	0
Mobile AL	Tillmans Corner Comm	1	6,990

Political Subdivison Splits Between Districts

al_dec19_2pm

County	Voting District	District	Population
Mobile AL	Tillmans Corner Comm	2	120
Tuscaloosa AL	Church of Highlands	4	7,277
Tuscaloosa AL	Church of Highlands	7	617
Tuscaloosa AL	Coaling Town Hall	4	849
Tuscaloosa AL	Coaling Town Hall	7	3,173
Tuscaloosa AL	Cornerstone Church	4	4
Tuscaloosa AL	Cornerstone Church	7	4,801
Tuscaloosa AL	Cottondale Comm Church	4	2,571
Tuscaloosa AL	Cottondale Comm Church	7	871
Tuscaloosa AL	Flatwoods Church	4	2,590
Tuscaloosa AL	Flatwoods Church	7	3,094
Tuscaloosa AL	Northport City Hall	4	6,352
Tuscaloosa AL	Northport City Hall	7	571
Tuscaloosa AL	Tuscaloosa Courthouse	4	5,021
Tuscaloosa AL	Tuscaloosa Courthouse	7	1,537
Tuscaloosa AL	UA Rec Ctr	4	14,047
Tuscaloosa AL	UA Rec Ctr	7	350
Tuscaloosa AL	Vance Town Hall	4	467
Tuscaloosa AL	Vance Town Hall	7	3,305

User:

Plan Name: **AL_Illustrative_1**Plan Type: **Congress**

Measures of Compactness Report

Monday, December 20, 2021

12:43 PM

	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
Mean	0.34	0.18	0.66	2.22
Min	0.21	0.13	0.56	1.65
Max	0.47	0.33	0.85	2.43
Std. Dev.	0.08	0.07	0.10	0.29
Sum				

	Higher Number is Better			Lower Number is Better
District	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
1	0.21	0.15	0.56	2.36
2	0.33	0.14	0.61	2.40
3	0.37	0.14	0.57	2.39
4	0.28	0.21	0.69	2.02
5	0.33	0.33	0.85	1.65
6	0.47	0.16	0.73	2.32
7	0.37	0.13	0.64	2.43

Measures of Compactness Report

AL_Illustrative_1

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.
Area / Convex Hull	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.

User:

Plan Name: **AL_Illustrative_2**Plan Type: **Congress**

Measures of Compactness Report

Monday, December 20, 2021

12:47 PM

	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
Mean	0.34	0.18	0.65	2.27
Min	0.21	0.12	0.56	1.65
Max	0.52	0.33	0.85	2.65
Std. Dev.	0.10	0.07	0.11	0.34
Sum				

	Higher Number is Better			Lower Number is Better
District	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
1	0.21	0.14	0.56	2.43
2	0.31	0.12	0.56	2.65
3	0.34	0.14	0.56	2.41
4	0.28	0.21	0.69	2.02
5	0.33	0.33	0.85	1.65
6	0.52	0.17	0.73	2.24
7	0.40	0.13	0.61	2.47

Measures of Compactness Report

AL_Illustrative_2

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.
Area / Convex Hull	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.

User:

Plan Name: **AL_Illustrative_3**Plan Type: **Congress****Measures of Compactness Report**

Monday, December 20, 2021

12:49 PM

	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
Mean	0.34	0.18	0.68	2.19
Min	0.20	0.12	0.58	1.65
Max	0.47	0.33	0.85	2.57
Std. Dev.	0.09	0.07	0.10	0.32
Sum				

	Higher Number is Better			Lower Number is Better
District	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
1	0.20	0.16	0.58	2.22
2	0.39	0.22	0.74	1.90
3	0.41	0.16	0.65	2.22
4	0.31	0.12	0.58	2.57
5	0.33	0.33	0.85	1.65
6	0.47	0.13	0.72	2.46
7	0.30	0.15	0.66	2.34

Measures of Compactness Report

AL_Illustrative_3

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.
Area / Convex Hull	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.

User:

Plan Name: **AL_Illustrative_4**Plan Type: **Congress****Measures of Compactness Report**

Monday, December 20, 2021

12:51 PM

	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
Mean	0.33	0.22	0.72	2.00
Min	0.20	0.13	0.58	1.65
Max	0.41	0.34	0.85	2.40
Std. Dev.	0.07	0.07	0.09	0.25
Sum				

	Higher Number is Better			Lower Number is Better
District	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
1	0.20	0.16	0.58	2.22
2	0.36	0.18	0.70	2.07
3	0.33	0.24	0.79	1.84
4	0.30	0.22	0.72	1.97
5	0.33	0.34	0.85	1.65
6	0.35	0.13	0.65	2.40
7	0.41	0.24	0.78	1.88

Measures of Compactness Report

AL_Illustrative_4

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.
Area / Convex Hull	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.

User:

Plan Name: **AL_Illustrative_5**Plan Type: **Congress****Measures of Compactness Report**

Monday, December 20, 2021

12:53 PM

	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
Mean	0.29	0.18	0.67	2.20
Min	0.19	0.11	0.53	1.65
Max	0.39	0.33	0.85	2.58
Std. Dev.	0.07	0.07	0.10	0.36
Sum				

	Higher Number is Better			Lower Number is Better
District	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
1	0.19	0.13	0.53	2.54
2	0.39	0.19	0.70	1.98
3	0.33	0.18	0.62	2.08
4	0.29	0.20	0.68	2.04
5	0.33	0.33	0.85	1.65
6	0.30	0.13	0.66	2.54
7	0.23	0.11	0.65	2.58

Measures of Compactness Report

AL_Illustrative_5

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.
Area / Convex Hull	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.

User:

Plan Name: **AL_Illustrative_6**Plan Type: **Congress**

Measures of Compactness Report

Monday, December 20, 2021

12:55 PM

	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
Mean	0.31	0.16	0.64	2.40
Min	0.24	0.10	0.51	1.65
Max	0.35	0.34	0.85	2.86
Std. Dev.	0.04	0.08	0.11	0.42
Sum				

	Higher Number is Better			Lower Number is Better
District	Reock	Polsby-Popper	Area/Convex Hull	Schwartzberg
1	0.24	0.12	0.51	2.59
2	0.29	0.11	0.57	2.66
3	0.35	0.16	0.63	2.29
4	0.30	0.18	0.70	2.09
5	0.33	0.34	0.85	1.65
6	0.29	0.10	0.65	2.86
7	0.34	0.11	0.56	2.64

Measures of Compactness Report

AL_Illustrative_6

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.
Area / Convex Hull	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.