

Autobound EDGE - Compactness Report

Plan Name: Congressional:10-07-21 v1 CD AE

[For more information on compactness calculations Click Here](#)



Compactness measure: Polsby-Popper

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	254	105	884	57	0.29
2	190	70	392	49	0.49
3	309	99	774	62	0.40
4	1,314	185	2,711	129	0.48
5	3,146	267	5,688	199	0.55
6	330	97	756	64	0.44
7	1,127	198	3,128	119	0.36
8	5,037	440	15,438	252	0.33
9	6,765	430	14,693	292	0.46
10	5,985	445	15,750	274	0.38
11	2,683	308	7,541	184	0.36
12	57,030	1,379	151,304	847	0.38
13	12,542	697	38,635	397	0.32

Most Compact: 0.55 For District: 5

Least Compact: 0.29 For District: 1

Compactness measure: Schwartzberg

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	254	105	884	57	0.54
2	190	70	392	49	0.70
3	309	99	774	62	0.63
4	1,314	185	2,711	129	0.70
5	3,146	267	5,688	199	0.74
6	330	97	756	64	0.66
7	1,127	198	3,128	119	0.60
8	5,037	440	15,438	252	0.57
9	6,765	430	14,693	292	0.68
10	5,985	445	15,750	274	0.62
11	2,683	308	7,541	184	0.60
12	57,030	1,379	151,304	847	0.61
13	12,542	697	38,635	397	0.57

Most Compact: 0.74 For District: 5

Least Compact: 0.54 For District: 1

Compactness measure: Reock Score

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	254	105	884	57	0.21
2	190	70	392	49	0.61
3	309	99	774	62	0.57
4	1,314	185	2,711	129	0.62
5	3,146	267	5,688	199	0.52

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6	330	97	756	64	0.48
7	1,127	198	3,128	119	0.36
8	5,037	440	15,438	252	0.21
9	6,765	430	14,693	292	0.51
10	5,985	445	15,750	274	0.43
11	2,683	308	7,541	184	0.56
12	57,030	1,379	151,304	847	0.38
13	12,542	697	38,635	397	0.36

Most Compact: 0.62 For District: 4

Least Compact: 0.21 For District: 1

Compactness measure: Length-Width

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	254	105	884	57	2.49
2	190	70	392	49	1.14
3	309	99	774	62	1.76
4	1,314	185	2,711	129	1.69
5	3,146	267	5,688	199	1.93
6	330	97	756	64	1.53
7	1,127	198	3,128	119	2.28
8	5,037	440	15,438	252	4.59
9	6,765	430	14,693	292	1.57
10	5,985	445	15,750	274	0.94
11	2,683	308	7,541	184	1.08
12	57,030	1,379	151,304	847	1.97
13	12,542	697	38,635	397	2.39

Most Compact: 4.59 For District: 8

Least Compact: 0.94 For District: 10

Compactness measure: Convex Hull

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	254	105	884	57	0.66
2	190	70	392	49	0.83
3	309	99	774	62	0.80
4	1,314	185	2,711	129	0.89
5	3,146	267	5,688	199	0.87
6	330	97	756	64	0.72
7	1,127	198	3,128	119	0.74
8	5,037	440	15,438	252	0.78
9	6,765	430	14,693	292	0.82
10	5,985	445	15,750	274	0.76
11	2,683	308	7,541	184	0.79
12	57,030	1,379	151,304	847	0.85
13	12,542	697	38,635	397	0.75

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Most Compact: 0.89 For District: 4

Least Compact: 0.66 For District: 1

