

Autobound EDGE - Compactness Report

Plan Name: Congressional:CD_RL 10-9-21

[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	57,357	1,379	151,340	849	0.38
2	10,887	594	28,083	370	0.39
3	6,408	484	18,642	284	0.34
4	2,126	275	6,032	163	0.35
5	6,557	534	22,662	287	0.29
6	2,351	240	4,598	172	0.51
7	2,112	232	4,291	163	0.49
8	1,200	214	3,655	123	0.33
9	6,583	360	10,310	288	0.64
10	264	144	1,653	58	0.16
11	178	86	591	47	0.30
12	279	89	628	59	0.44
13	410	118	1,115	72	0.37

Most Compact: 0.64 For District: 9

Least Compact: 0.16 For District: 10

Compactness measure: Schwartzberg

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	57,357	1,379	151,340	849	0.62
2	10,887	594	28,083	370	0.62
3	6,408	484	18,642	284	0.59
4	2,126	275	6,032	163	0.59
5	6,557	534	22,662	287	0.54
6	2,351	240	4,598	172	0.72
7	2,112	232	4,291	163	0.70
8	1,200	214	3,655	123	0.57
9	6,583	360	10,310	288	0.80
10	264	144	1,653	58	0.40
11	178	86	591	47	0.55
12	279	89	628	59	0.67
13	410	118	1,115	72	0.61

Most Compact: 0.8 For District: 9

Least Compact: 0.4 For District: 10

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	57,357	1,379	151,340	849	0.38
2	10,887	594	28,083	370	0.33
3	6,408	484	18,642	284	0.46
4	2,126	275	6,032	163	0.28
5	6,557	534	22,662	287	0.19

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6	2,351	240	4,598	172	0.40
7	2,112	232	4,291	163	0.65
8	1,200	214	3,655	123	0.36
9	6,583	360	10,310	288	0.56
10	264	144	1,653	58	0.24
11	178	86	591	47	0.39
12	279	89	628	59	0.46
13	410	118	1,115	72	0.35

Most Compact: 0.65 For District: 7

Least Compact: 0.19 For District: 5

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	57,357	1,379	151,340	849	1.97
2	10,887	594	28,083	370	2.83
3	6,408	484	18,642	284	2.18
4	2,126	275	6,032	163	4.27
5	6,557	534	22,662	287	5.65
6	2,351	240	4,598	172	2.00
7	2,112	232	4,291	163	1.33
8	1,200	214	3,655	123	1.92
9	6,583	360	10,310	288	0.92
10	264	144	1,653	58	1.33
11	178	86	591	47	0.84
12	279	89	628	59	1.84
13	410	118	1,115	72	0.66

Most Compact: 5.65 For District: 5

Least Compact: 0.66 For District: 13

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	57,357	1,379	151,340	849	0.85
2	10,887	594	28,083	370	0.75
3	6,408	484	18,642	284	0.81
4	2,126	275	6,032	163	0.84
5	6,557	534	22,662	287	0.79
6	2,351	240	4,598	172	0.83
7	2,112	232	4,291	163	0.85
8	1,200	214	3,655	123	0.68
9	6,583	360	10,310	288	0.92
10	264	144	1,653	58	0.51
11	178	86	591	47	0.81
12	279	89	628	59	0.83
13	410	118	1,115	72	0.78

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Most Compact: 0.92 For District: 9

Least Compact: 0.51 For District: 10

