

Autobound EDGE - Compactness Report

Plan Name: Congressional:10-05-21 v1 CD DW

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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	225	108	930	53	0.24
2	208	70	390	51	0.53
3	314	93	688	63	0.46
4	937	181	2,616	109	0.36
5	3,116	297	7,004	198	0.44
6	366	108	924	68	0.40
7	1,114	203	3,277	118	0.34
8	5,148	417	13,840	254	0.37
9	7,298	410	13,352	303	0.55
10	5,968	451	16,221	274	0.37
11	2,683	308	7,541	184	0.36
12	57,030	1,379	151,304	847	0.38
13	12,306	691	37,955	393	0.32

Most Compact: 0.55 For District: 9

Least Compact: 0.24 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	225	108	930	53	0.49
2	208	70	390	51	0.73
3	314	93	688	63	0.68
4	937	181	2,616	109	0.60
5	3,116	297	7,004	198	0.67
6	366	108	924	68	0.63
7	1,114	203	3,277	118	0.58
8	5,148	417	13,840	254	0.61
9	7,298	410	13,352	303	0.74
10	5,968	451	16,221	274	0.61
11	2,683	308	7,541	184	0.60
12	57,030	1,379	151,304	847	0.61
13	12,306	691	37,955	393	0.57

Most Compact: 0.74 For District: 9

Least Compact: 0.49 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	225	108	930	53	0.25
2	208	70	390	51	0.48
3	314	93	688	63	0.52
4	937	181	2,616	109	0.26
5	3,116	297	7,004	198	0.41

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6	366	108	924	68	0.49
7	1,114	203	3,277	118	0.36
8	5,148	417	13,840	254	0.25
9	7,298	410	13,352	303	0.53
10	5,968	451	16,221	274	0.42
11	2,683	308	7,541	184	0.56
12	57,030	1,379	151,304	847	0.38
13	12,306	691	37,955	393	0.38

Most Compact: 0.56 For District: 11

Least Compact: 0.25 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	225	108	930	53	1.57
2	208	70	390	51	1.21
3	314	93	688	63	1.42
4	937	181	2,616	109	0.39
5	3,116	297	7,004	198	2.37
6	366	108	924	68	1.42
7	1,114	203	3,277	118	2.28
8	5,148	417	13,840	254	4.27
9	7,298	410	13,352	303	0.84
10	5,968	451	16,221	274	0.94
11	2,683	308	7,541	184	1.08
12	57,030	1,379	151,304	847	1.97
13	12,306	691	37,955	393	2.27

Most Compact: 4.27 For District: 8

Least Compact: 0.39 For District: 4

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	225	108	930	53	0.61
2	208	70	390	51	0.86
3	314	93	688	63	0.80
4	937	181	2,616	109	0.83
5	3,116	297	7,004	198	0.81
6	366	108	924	68	0.73
7	1,114	203	3,277	118	0.73
8	5,148	417	13,840	254	0.82
9	7,298	410	13,352	303	0.89
10	5,968	451	16,221	274	0.76
11	2,683	308	7,541	184	0.79
12	57,030	1,379	151,304	847	0.85
13	12,306	691	37,955	393	0.75

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Most Compact: 0.89 For District: 9

Least Compact: 0.61 For District: 1

