

## Autobound EDGE - Compactness Report

Plan Name: Congressional:Chestnut

[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	57,170	1,351	145,227	848	0.39
2	13,068	637	32,265	405	0.41
3	1,886	280	6,246	154	0.30
4	3,904	347	9,586	222	0.41
5	6,478	554	24,419	285	0.27
6	1,018	180	2,580	113	0.39
7	2,814	252	5,038	188	0.56
8	2,454	267	5,678	176	0.43
9	6,899	404	13,020	294	0.53
10	242	80	506	55	0.48
11	336	101	814	65	0.41
12	192	71	396	49	0.48
13	253	106	888	56	0.28

**Most Compact: 0.56 For District: 7**

**Least Compact: 0.27 For District: 5**

### Compactness measure: Schwartzberg

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	57,170	1,351	145,227	848	0.63
2	13,068	637	32,265	405	0.64
3	1,886	280	6,246	154	0.55
4	3,904	347	9,586	222	0.64
5	6,478	554	24,419	285	0.52
6	1,018	180	2,580	113	0.63
7	2,814	252	5,038	188	0.75
8	2,454	267	5,678	176	0.66
9	6,899	404	13,020	294	0.73
10	242	80	506	55	0.69
11	336	101	814	65	0.64
12	192	71	396	49	0.70
13	253	106	888	56	0.53

**Most Compact: 0.75 For District: 7**

**Least Compact: 0.52 For District: 5**

### 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	57,170	1,351	145,227	848	0.38
2	13,068	637	32,265	405	0.57
3	1,886	280	6,246	154	0.32
4	3,904	347	9,586	222	0.43
5	6,478	554	24,419	285	0.18

## Autobound EDGE - Compactness Report

Plan Name: Congressional:Chestnut

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



6	1,018	180	2,580	113	0.39
7	2,814	252	5,038	188	0.55
8	2,454	267	5,678	176	0.41
9	6,899	404	13,020	294	0.53
10	242	80	506	55	0.48
11	336	101	814	65	0.48
12	192	71	396	49	0.59
13	253	106	888	56	0.21

**Most Compact: 0.59 For District: 12**

**Least Compact: 0.18 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	57,170	1,351	145,227	848	1.83
2	13,068	637	32,265	405	1.42
3	1,886	280	6,246	154	3.31
4	3,904	347	9,586	222	2.20
5	6,478	554	24,419	285	5.62
6	1,018	180	2,580	113	2.03
7	2,814	252	5,038	188	2.14
8	2,454	267	5,678	176	0.85
9	6,899	404	13,020	294	0.92
10	242	80	506	55	1.70
11	336	101	814	65	1.78
12	192	71	396	49	1.11
13	253	106	888	56	2.49

**Most Compact: 5.62 For District: 5**

**Least Compact: 0.85 For District: 8**

### 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	57,170	1,351	145,227	848	0.87
2	13,068	637	32,265	405	0.78
3	1,886	280	6,246	154	0.76
4	3,904	347	9,586	222	0.78
5	6,478	554	24,419	285	0.77
6	1,018	180	2,580	113	0.73
7	2,814	252	5,038	188	0.90
8	2,454	267	5,678	176	0.78
9	6,899	404	13,020	294	0.88
10	242	80	506	55	0.76
11	336	101	814	65	0.82
12	192	71	396	49	0.84
13	253	106	888	56	0.66

## Autobound EDGE - Compactness Report

Plan Name: Congressional:Chestnut

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

**Most Compact: 0.9 For District: 7**

**Least Compact: 0.66 For District: 13**

