

# Compactness Analysis - Area Based Measures

## SENATE DISTRICTS - PLANS2168

District	Area Rubber Band	Perimeter to Area
1	0.841	0.305
2	0.714	0.188
3	0.795	0.182
4	0.556	0.120
5	0.541	0.122
6	0.581	0.070
7	0.634	0.139
8	0.792	0.356
9	0.735	0.206
10	0.541	0.152
11	0.589	0.144
12	0.751	0.222
13	0.511	0.120
14	0.785	0.301
15	0.498	0.072
16	0.506	0.086
17	0.710	0.125
18	0.630	0.107
19	0.491	0.103
20	0.473	0.111
21	0.636	0.179
22	0.661	0.228
23	0.749	0.192
24	0.467	0.151
25	0.776	0.252
26	0.630	0.147
27	0.666	0.127
28	0.588	0.180
29	0.786	0.250
30	0.663	0.140
31	0.584	0.171

\* Compactness measures: Each measure is reported on a scale from 0 to 1, with numbers closer to 1 being more compact. A score of N/A indicates the measure could not be calculated.

1. "Area Rubber Band" is the ratio of the area of the district to the area of the smallest convex polygon enclosing the district.
2. "Perimeter to Area" is the ratio of the area of a circle with the same perimeter as the district to the area of the district.